



The Digital Divide in Barcelona

February 2016







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An initiative of



**MOBILE
WORLD CAPITAL™
BARCELONA**

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Mobile World Capital Barcelona drives the mobile and digital transformation of society, helping to improve citizens' whole lives.

With public and private support from Barcelona, Catalonia and Spain, MWCcapital works in three areas: the digital empowerment of new generations, professionals and citizens; the digital transformation of industries and services, and the acceleration of digital innovation through entrepreneurship.

Our programmes **mSchools**, **mHealth**, **mLiving** and **mVenturesBcn** are transforming the education and health systems, industry and the economy in a positive way.

MWCcapital hosts the Mobile World Congress and organizes **4YFN**, a business platform for the start-up community.

MWCcapital presents the report on the digital divide in Barcelona, an analysis of the population's level of internet access and usage to measure citizens' digital skills within the context of Europe, and identifying opportunities and scope for development.

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1. INTRODUCTION

The concept of digital divide

Digital technology is having a deep impact on citizens' personal and professional development. This is, however, happening in a different way across countries, cities (which are the real engines of digital transformation) and among the citizens themselves.



“The digital divide refers to the inequality between people who have access and knowledge of new technologies and those who do not” This term also refers to the differences between groups according to their digital skills.

NEW INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT)

Access to knowledge and information has changed radically in the last 20 years. The universal nature, speed and hyper-connectivity of the new Information and Communication Technologies (ICTs) have transformed our way of thinking, living and communicating with our environment.

For this reason ICTs have opened a **wide window of opportunities** to build a more **democratic, informed and interconnected society**. Access and digital skills enable citizens to improve their personal and professional development in many areas (work, educational, social, political, etc); as well as overcoming certain space and time barriers. In short, **ICTs enhance people's quality of life**.

Cities drive development in our society. Social cohesion, economic activity, talent, innovation, creativity and multiculturalism are all features common to the most prosperous cities. Barcelona is steadily advancing in this direction.

THE DIGITAL DIVIDE

“The digital divide refers to the inequality between people who have access and knowledge of new technologies and those who do not”.

This term also refers to the differences between groups according to their ability to use ICTs skillfully.

There are three kinds of digital divide:

- **Access.** Refers to the possibility, or lack of, access to technology.
- **Use.** Based on people who know how to use technology and those who do not.
- **Quality of use.** Based on a person's skills to use internet tools.

BARCELONA, FERTILE DIGITAL GROUND

A city's success depends to a large degree on the convergence of social cohesion, talent, economic activity, creativity and multiculturalism, and Barcelona is well on the way.

Barcelona is currently a magnet for technology and a worldwide reference in this area. It is the **Mobile World Capital** until 2023 and the venue for the **Mobile World Congress**. In 2014 it was chosen **European Capital of Innovation**, in recognition of its merits as a productive city, which is improving its management via technology for the benefit of its citizens.

This positioning of Barcelona in the technological field is explained by the **digital ecosystem** which configures the city. Barcelona is fertile ground for start-ups and has a large number of high tech companies, technology parks, technological research centres and different cutting-edge science facilities, such as the Barcelona Supercomputing Center. The 22@ Barcelona Project has promoted the district of Poblenou as a benchmark for innovation and urban renovation through a wealth of knowledge-based activities. There is also a dense network of citizen initiatives which use technology for their own organisation: neighbourhood movements, time banks, collaborative economy activities etc.

Together with a public administration which provides increasingly more online services and interactive mechanisms, and which continues to make more data available on internet, the city is emerging as a think tank to define a city in the digital society.

It is in this privileged context where Barcelona has to **put ICTs within everybody's reach**, incorporating technology-based services to improve the city's management and its relationship with the citizens. The aim is that everybody should be able to benefit from digital technology and have equal opportunities to develop personally and professionally.

- (1) Source: Wikitel, a web that documents all kinds of issues related to Information and Communication Technology. Website: http://wikitel.info/wiki/Brecha_Digital
- (2) Source: Padró Municipal d'Habitants 30.06.2015. Departament d'Estadística. Ajuntament de Barcelona.
- (3) Source: Basic information and cartography. IMI-Hàbitat Urbà.
- (4) Source: Own work using data from the Open Data portal of Barcelona City Council.

THE REPORT

The report ***The digital divide in the city of Barcelona*** is a study by ***Mobile World Capital Barcelona*** (MWCcapital) commissioned by the Barcelona City Council.

Barcelona's relevance on the world technological and digital stage is making it evident that we need to ***know the existing inequalities*** among the population of Barcelona's districts ***regarding access, use and knowledge of information technology***.

This document must serve as an ***analysis***, identifying ***the groups most susceptible*** to be left behind in the technological revolution. Factors such as age, sex, education level, occupation, income, district or nationality cannot be an obstacle for the citizens of Barcelona to access and use new technologies skillfully.

Institutions and public administrations will have a starting point for those action plans and public policies aimed at achieving ***full digital inclusion*** of all segments of society.

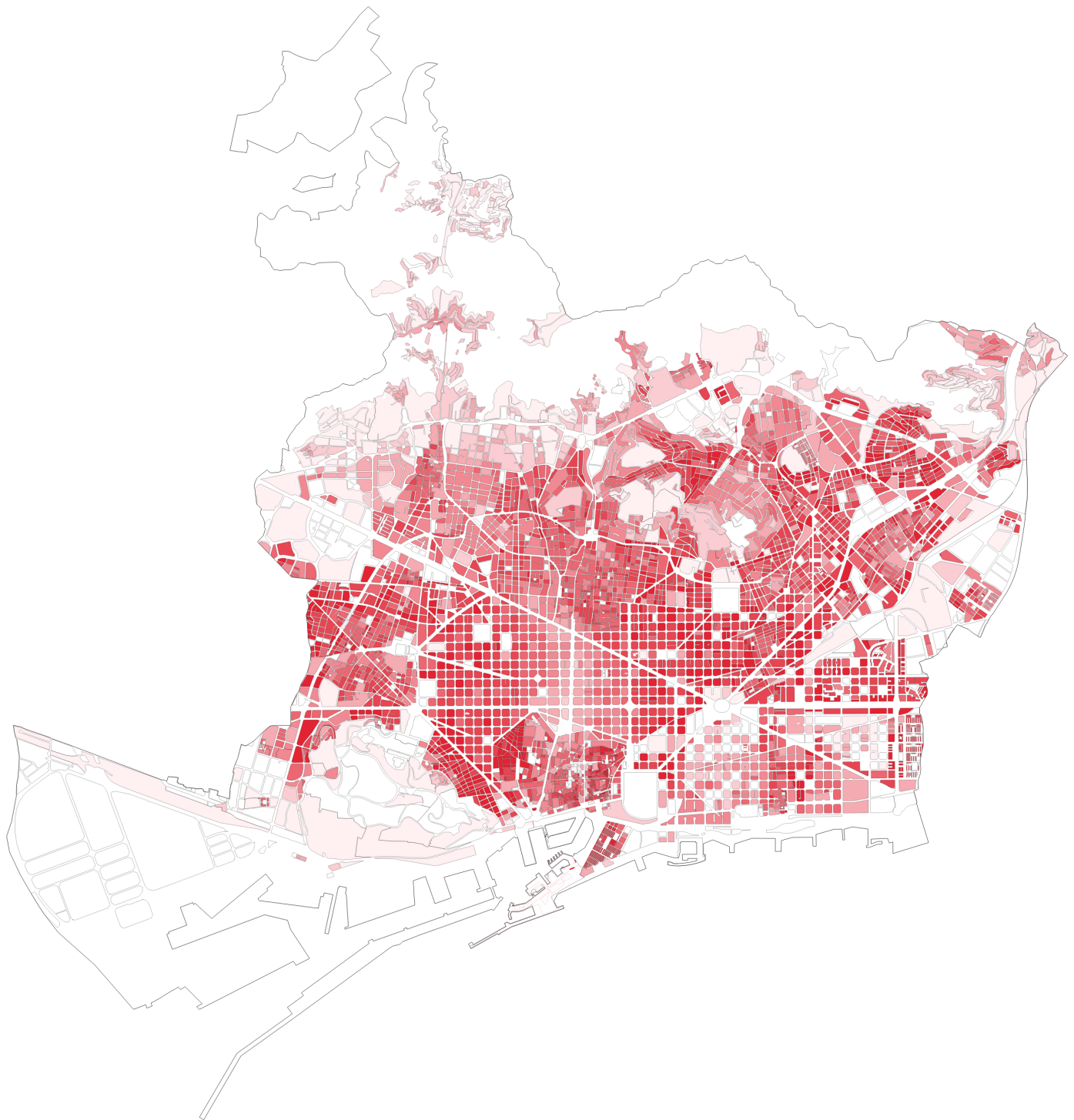
AIMS OF THE REPORT

This report has the following aims:

- ***Reflect on the digital phenomenon*** in Barcelona and identify the challenges and opportunities it generates in the city.
 - Present a ***methodology framework*** to evaluate the digital divide in the districts of Barcelona.
 - Present an ***analysis*** on the usage, access and digital skills of the citizens of Barcelona.
 - ***Compare*** the situation of Barcelona with that of Catalunya, Spain and countries of the European Union.
 - Evaluate the ***factors that determine greater or lesser internet usage*** by Barcelona citizens.
 - Determine the ***barriers*** that stand in the way of access and usage of new technologies.
-

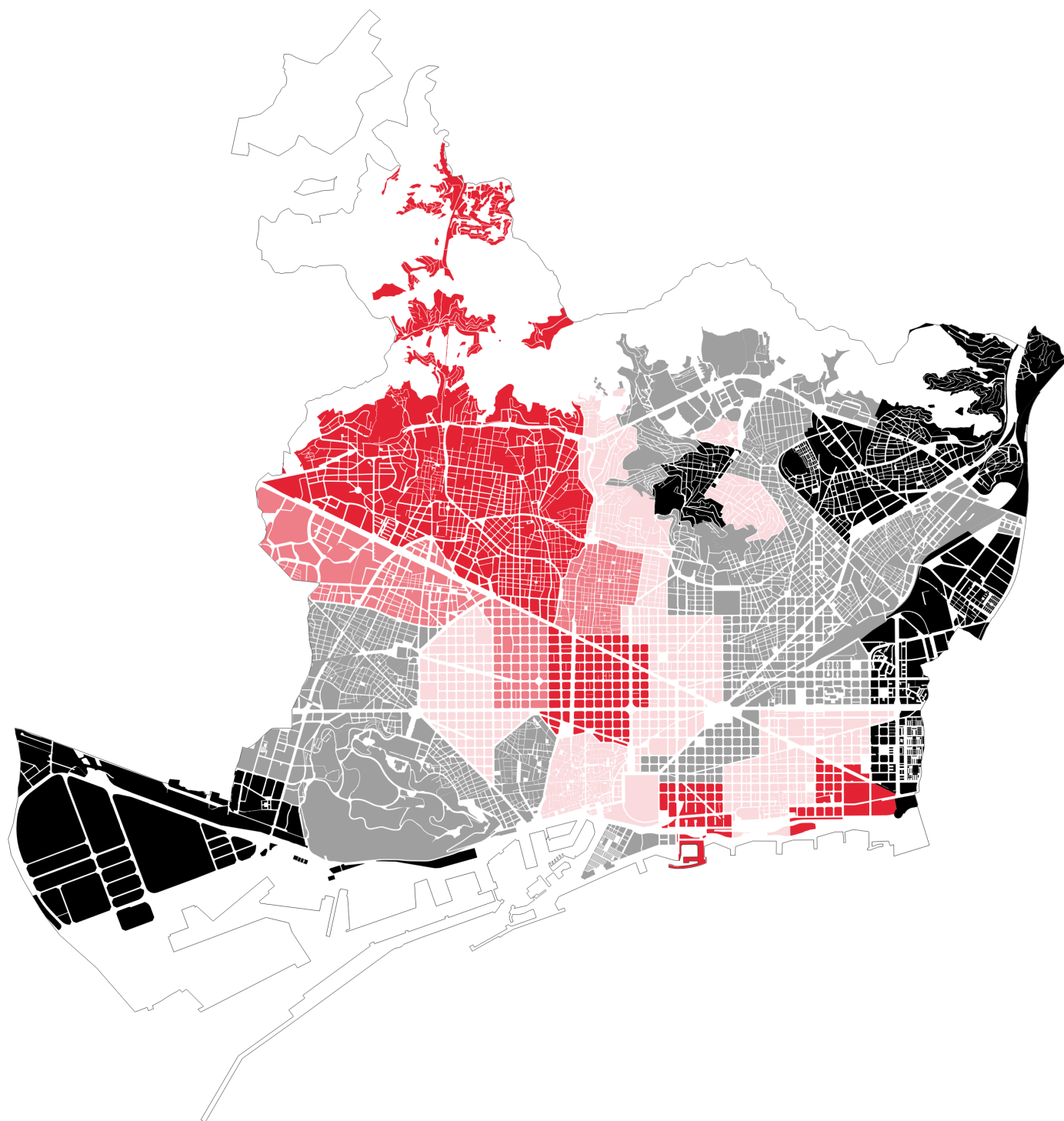
The city of Barcelona in figures

- Population: 1,609,5550 inhabitants ²
- Sex: 53% women, 47% men ²
- Homes: 655,175 ²
- Area: 10,215 ha ³
- Population density ⁴



DISTRIBUTION OF HOUSEHOLD INCOME ACCORDING TO BARCELONA HHI INDEX = 100

- High income (HHI5) more than 140.
- Middle-high income (HHI4) between 110 and 140.
- Middle income (HHI3) between 90 and 110.
- Middle-low income (HHI2) between 60 and 90.
- Low income (HHI1) less than 60.



2. EXECUTIVE SUMMARY

Barcelona, a connected city

Barcelona leads Europe in the access and use of internet. Nevertheless, the city faces the challenge of improving its implementation in those districts where income and level of education still result in an evident digital divide.



Barcelona’s districts have brought to light a territorial digital divide stemming from unequal internet access and usage among its citizens.

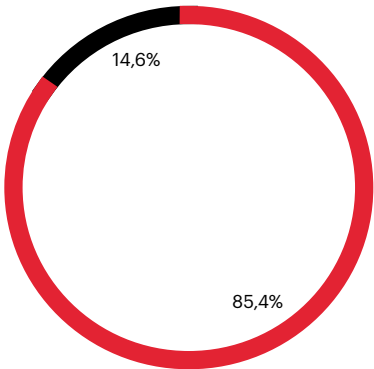
THE SITUATION OF THE DIGITAL PHENOMENON AMONG THE POPULATION OF BARCELONA

The citizens of Barcelona are highly connected to internet. 90% of them have surfed the internet in the last three months, and over 85% connect daily. **The use of digital technology**, therefore, **has become mainstream** among the population, in fact on a level with those European countries with the highest rate of internet usage.

Widespread use of internet by Barcelona citizens is demonstrated by the fact that two out of three people have an intermediate or advanced digital profile. That means that they use a minimum of two devices to connect and have carried out at least four different activities (see appendix, Table 2 of use categorization) on internet in the last three months.

Mobile use is most frequent, mainly for emails, news websites and social networks.

Percentage of citizens that have connected to internet today or yesterday.
Source: MWCcapital



Almost nine out of ten Barcelona citizens connect to internet daily.

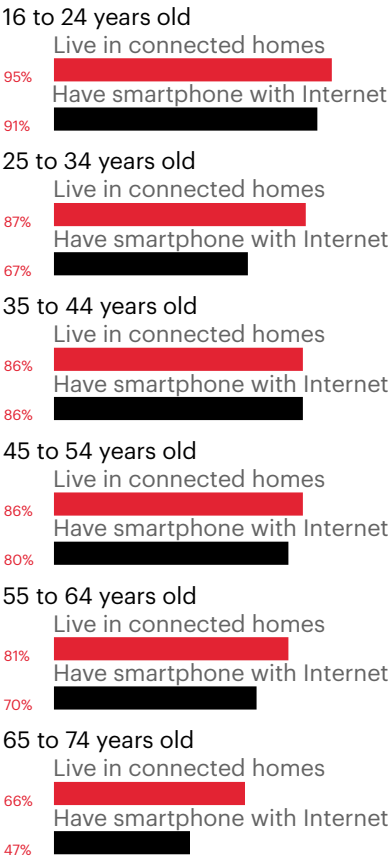
Among those people who do not use internet, the main reasons are economic and a lack of need.

Access to broadband services do not generate a digital divide in Barcelona. In terms of coverage and mobile broadband service, the city has very high rates. There are only a few areas that can be said to have room for improvement.

THE VARIABLES THAT DETERMINE THE DIGITAL DIVIDE AMONG THE CITIZENS OF BARCELONA.

Age generates a digital divide, particularly in those over 64 years old. The younger generations are the most connected and multi-device users, not only millennials but also the next generation as well massively use internet. Up to 64, at least seven out of ten citizens have a smartphone. Still, two thirds of people between 65 and 74 years old have internet connection at home and almost half have a smartphone. What differentiates the young and the more senior citizens are their internet usage interests and needs.

Internet access by age groups.
Source: MWCcapital



The mainstream use of digital technology in Barcelona shows that the age digital divide is not apparent before 65.

The mainstream of internet adoption in the city of Barcelona can be seen in **gender**. Being a man or a woman does not determine access or use of internet (77% of men and woman have smartphones). Where certain differences emerge is in use: women carry out more activities on internet related to health, whereas men undertake more commercial activities. Therefore we can say that there is no gender divide in internet access and usage in the city of Barcelona, positioning it in line with Northern European countries.

Being a man or a woman has no impact on access to internet.

Profession, however, does produce more inequalities in digital technology use. Students and working citizens are the profiles mostly connected to internet (about nine out of ten have smartphones), whereas homemakers and retired people are the least (half of retired people have Internet on their mobile). As in the case of age, different groups have different uses: students lead in the use of social networks, working citizens in administrative tasks, the unemployed in job hunting and retired people in health-related matters (see table 2. Use categories).

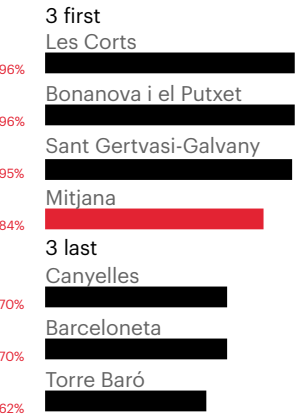
Education and profession have a significant influence on the use of digital technology.

The level of education is a variable which also causes a digital divide, above all in the segment with a lower level of education. Nine out of ten people with a middle or high level of education connect to internet daily, whereas only six out of ten with a low level do so. The educational divide is also significant in internet usage: People with less education have less frequent online contact with the administration and banks than those with a middle or high level.

Last time internet was used according to education level. Source: MWCcapital

	High education level	Middle education level	Low education level
Today or yesterday	97%	89%	62%
In the last week	1%	4%	6%
Between two and four weeks ago	0%	1%	2%
Never use internet	1%	3%	25%

Citizens with home internet by district.
Source: MWCcapital



Nationality is not a determining factor for access or internet usage. Foreigners connect less frequently from home and smartphones than Spanish citizens do, although foreigners look for alternative ways. They are also more active than Spaniards in internet social uses, such as video calls or job hunting, whereas Spanish citizens make doctors' appointments or make use of emails more frequently.

Unequal access and internet usage among the inhabitants of the larger districts highlight the territorial digital divide in Barcelona.

Despite the high level of internet penetration by the citizens of Barcelona, their place of residence gives rise to significant differences. 96% of the population say their home is connected to internet, but in Torre Baró this percentage drops to 62%. Notable differences can also be seen between districts with regard to the use of devices and certain uses of internet (70% of the residents in Pedralbes buy online compared to only 30% in Torre Baró).

INCOME LEVEL EXPLAINS THE UNEQUAL ADOPTION OF INTERNET

An intermediate digital profile is the most common in Barcelona. Only in the high income districts is this trend broken: in these areas the major profile is advanced (nearly half the residents fit this profile). On the other hand, the least digitalized profiles (basic or sporadic users, and those who never use internet), even though they are a minority, are concentrated in the districts with the lowest income.

Income level acts as a digital divide between districts, especially in the unequal use of internet.

The mainstream use of digital technology in Barcelona is shown by the fact that there are no significant differences between districts regarding internet access according to income level: 79% of those living in low income districts have a smartphone, compared to 91% of those in more affluent districts.

Internet usage by distric income level. Source: MWCcapital

	Low	Middle-low	Middle	Middle-high	High
Read news	0,79	0,86	0,86	0,84	92%
Bank online	0,49	0,63	0,63	0,7	74%
Shop online	0,45	0,51	0,56	0,56	63%

However, important differences do become apparent in certain uses of internet: the residents of high income districts read news websites, use online banking and buy online much more than residents of low income districts.

The adoption of digital technology by citizens according to district income level enables us to draw significant conclusions when we introduce the variables of gender, age, education and occupation.

The digital divide is greater in the low income districts if the person is a woman, between 65 and 74, with a limited education, a housewife or unemployed.

There are no great differences between men and women according to district income level, but men carry out more activities such as emailing or reading the news in the lower income neighbourhoods.

Being between 65 and 74 years old in low income districts may mean not having internet at home (53%), a figure which is nearly doubled by people of the same age in high income districts (88%). The age divide also determines internet usage in less affluent districts: 24% of people between 65 and 74 use online banking, against 57% in high income districts.

A low income widens the digital divide linked to gender, age, education and occupation.

Education level is an important digital divide in all districts, except high income ones. Considerable differences according to education can be seen both in internet access and usage in all districts, but it is in the high income districts where the differences are smaller (for example, in low income districts 94% of people with a high education level have internet connection in the home compared to 60% with a lower level. In high income districts 83% of people with low education level have internet at home, against 95% with a higher level).

Finally, occupation also proves to be an important digital divide in low income districts. This happens mainly among the unemployed, homemakers (men or women) and retired citizens; the least digitalized profiles in these districts. On the other hand, students and working citizens show a high level of digitalization regardless of the income level of the district.

3. METHODOLOGY

Sources of information

For the report the main source of information was MWCapital's own survey and different secondary sources of information on a local, national and international level.

The methodology framework is based on the Digital Economy and Society Index (DESI), of the European Union.

The study is based on the DESI framework, which regularly measures the digital performance of European Union member states.

METHODOLOGY FRAMEWORK

The study is based on the DESI framework which regularly measures the digital performance of European Union Member States.

The DESI covers three areas:

- **Connectivity:** broadband infrastructures and their quality.
- **Human capital:** citizens’ skills to benefit from the digital society.
- **Use of internet:** the range of activities that people can do on internet, such as contents (music, videos, games, etc.), online shopping and banking.
- **The integration of digital technology into companies:** the degree of digitalisation of businesses and the implementation of online channels (website, e-commerce, m-commerce) for sales.
- **Digital public services:** online public services, especially electronic administration and health services.

Given that the focus of The Digital Divide report of Barcelona is on the population not on the offer of public or private services, nor the digitalisation of companies, only the first three areas of DESI are used.

It is considered of interest that in the future the report should include the public and private sector to give a full digital picture of Barcelona.

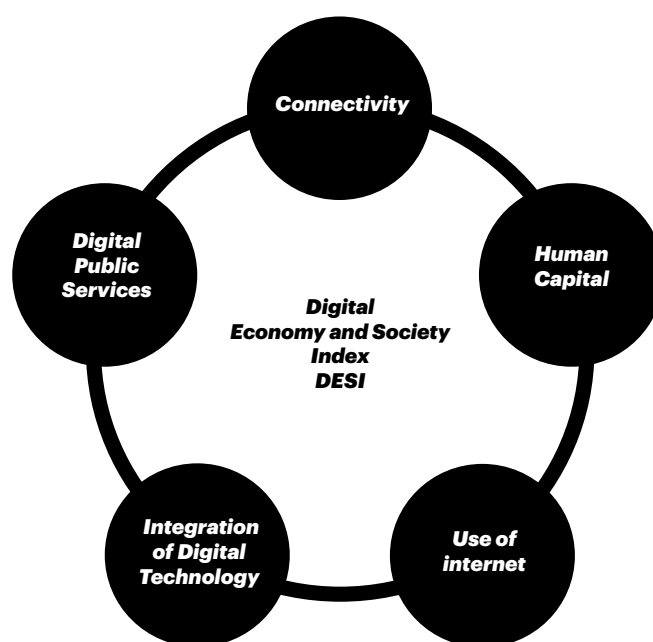
SOURCES OF INFORMATION

The results of the report are based on three main sources of information:

- (1) **Mobile World Capital Survey (MWCcapital)**¹
 - **Research technique.** Computer-assisted face-to-face interviews.
 - **Study area.** City of Barcelona.
 - **Target group.** People between 16 and 74 years old living and registered in the city of Barcelona (1,208,262). When the survey results speak of “population”, they refer to the people in this age range. The following graph shows the age segments used for the report, the population in each segment for the year 2015 and its percentage of the total population of Barcelona.
 - **Sample size.** 5000 interviews.
 - **Sample type.** Sample divided into greater districts so that each one of the 39 districts² in the city held 128 or 129 interviews. In each district the people to be interviewed were chosen randomly, following district quotas, sex and age, according to the actual distribution of the target population in each greater district. To analyse the results, the data has been balanced to give each district its corresponding significance in the city.

Segmentation of group ages used in the report.

Age groups	Population 2015	Percentage of total
16-24	128.474	8,00%
25-34	228.990	14,20%
35-44	269.546	16,70%
45-54	228.336	14,20%
55-64	190.383	11,80%
65-74	162.533	10,10%
Total 16-74	1.208.262	75,10%
Total population Barcelona	1.609.550	100%



- (1) See the annex for details of the survey.
- (2) Source: Gabinet Tècnic de Programació, Barcelona City Council 2015.
- (3) The greater districts are a grouping of districts for statistical purposes. The number of territorial units is reduced from 73 to 39 with the aim of obtaining a territorial division with units containing a similar number of people in each one. The final aim is to make homogeneous comparisons from a quantitative point of view, keeping a level of statistical significance (sample studies of 73 districts would be extremely costly).
- (4) The term broadband refers to high speed Internet access. The kinds of broadband according to speed are:

Basic broadband: superior or equal to 2 megabits per second.

Fast broadband: superior or equal to 30 megabits per second.

Superfast broadband: superior or equal to 100 megabits per second.

— **Error margin.** The margin of error in the whole sample is +/- 1.5%, for a reliability of 95% and $p=q=0.5$.

— **Field work.** The survey was done between 13 and 26 January 2016.

— **Technical management.** The survey was conducted and processed by Gabinet d'Estudis d'Opinió i Gestió Pública, GESOP.

(2) **Report on the territorial distribution of household income per capita in Barcelona 2014**³.

— Gives the 2014 figures for the Household Income Index, a theoretical indicator of the average income per capita of the residents in the city's 73 districts.

(3) **Mobile and landline coverage.**

Apart from the MWCcapital Survey, two additional sources of information have been used to better identify the level of landline and mobile broadband coverage in Barcelona.

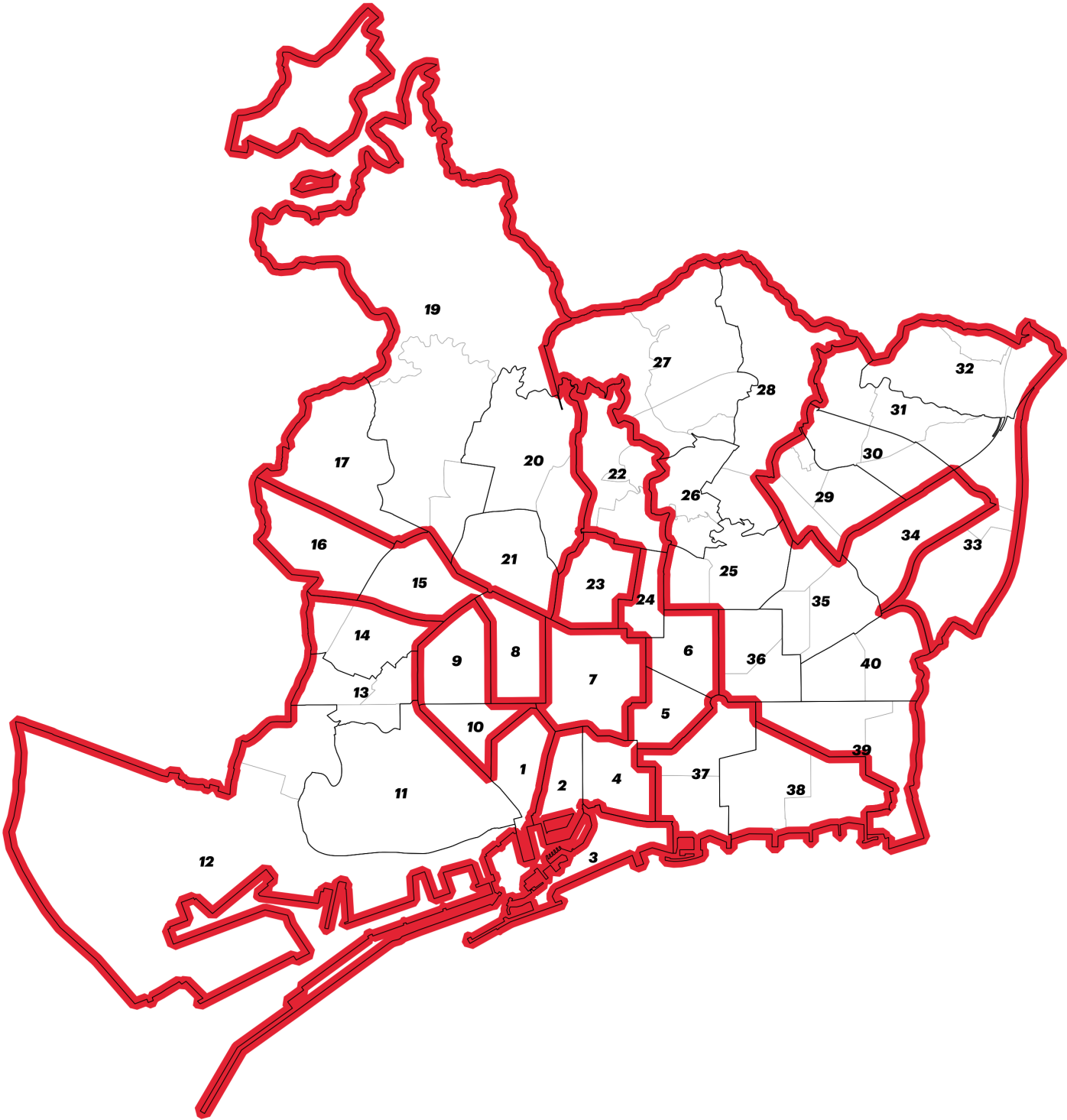
— The Geographical Analysis of broadband services and NGA distribution in Spain by the 2014 National Markets and Competition Commission (CNMC) for Barcelona analyses landline coverage. This report shows the active retail lines but not the city's service distribution⁴.

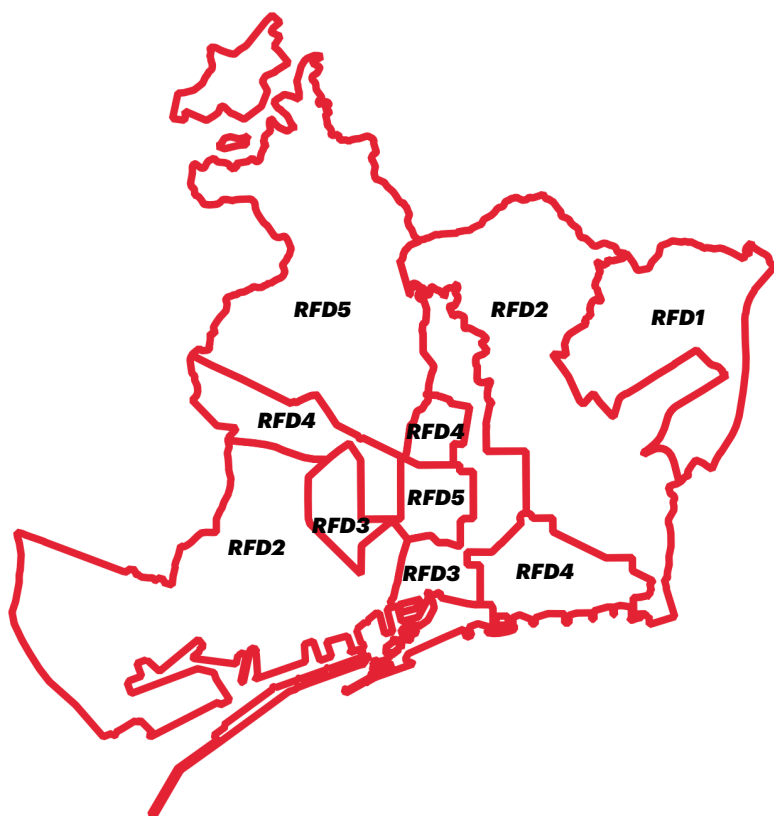
— The report on Telecommunication Services Quality (2016) by the company CASE, which uses the MedUX system to analyse mobile coverage in Barcelona and its service quality.

OPEN ACCESS TO THE REPORT

The results of this report and the data of the MWCcapital Survey are available on Internet. The information can be consulted or the survey data downloaded at:

<http://www.mobileworldcapital.com/escletxa-digital>





Low income districts (HHI1)

- 29 Vilapicina, Porta, el Turó de la Peira i Can Peguera
- 30 La Guineueta, Verdun i la Prosperitat
- 31 Canyelles, les Roquetes i la Trinitat Nova
- 32 Torre Baró, Ciutat Meridiana i Vallbona
- 33 La Trinitat Vella, Baró de Viver i el Bon Pastor

Middle-low income districts (HHI2)

- 1 El Raval
- 3 La Barceloneta
- 11 El Poble Sec
- 12 La Marina
- 13 La Font de la Guatlla, Hostafrancs, i la Bordeta
- 14 Sants i Sants-Badal
- 25 El Guinardó
- 26 El Carmel i Can Baró
- 27 Els Barris de la Vall d'Hebron
- 28 Horta i la Font d'en Fargues
- 34 Sant Andreu
- 35 La Sagrera, el Congrés i Navas
- 36 El Clot i el Camp de l'Arpa
- 39 El Besòs, el Maresme i Provençals
- 40 Sant Martí, la Verneda i la Pau

Middle income districts (HHI3)

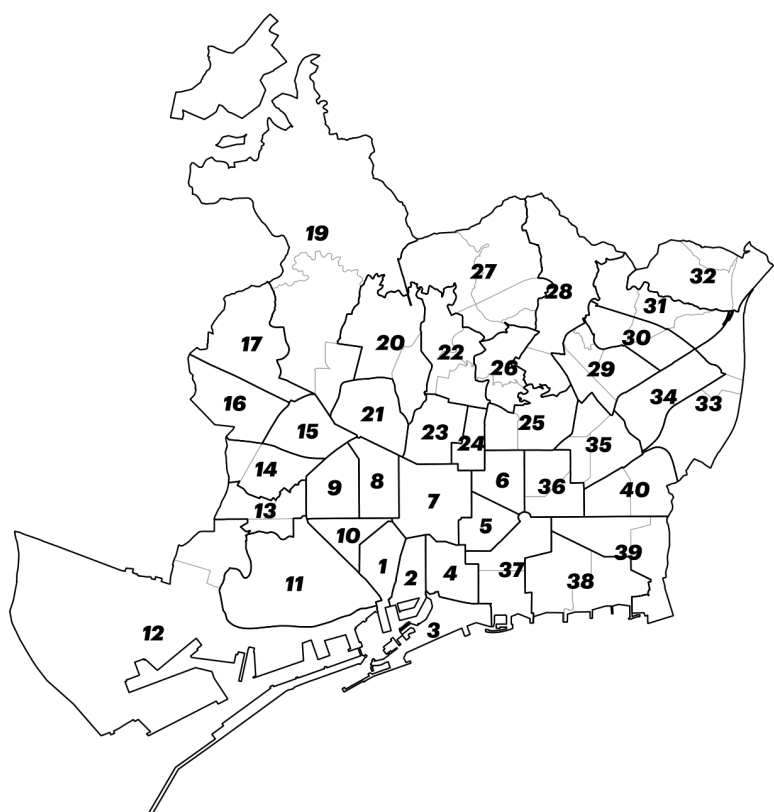
- 2 El Barri Gòtic
- 4 Sant Pere, Santa Caterina i la Ribera
- 5 El Fort Pienc
- 6 La Sagrada Família
- 9 La Nova Esquerra de l'Eixample
- 10 Sant Antoni
- 22 Vallcarca, el Coll i la Salut
- 24 El Camp d'en Grassot i Gràcia Nova

Middle-high income districts (HHI4)

- 8 L'Antiga Esquerra de l'Eixample
- 15 Les Corts
- 16 La Maternitat i Sant Ramon
- 23 La Vila de Gràcia
- 37 El Parc, la Llacuna i la Vila Olímpica
- 38 El Poblenou i Diagonal Mar

High income districts (HHI5)

- 7 La Dreta de l'Eixample
- 17 Pedralbes
- 19 Sarrià, les Tres Torres i Vallvidrera
- 20 Sant Gervasi-la Bonanova i el Putxet
- 21 Sant Gervasi-Galvany



4. CONTEXT

The Digital Agenda Roadmap

The European Union and its Member States have drawn up digital agendas to achieve full broadband and mobile distribution and bring the benefits of the digital revolution to all citizens.

The daily volume of internet-based activities illustrates how far digital technology has penetrated peoples' lives.

THE EFFERECENCE OF THE DIGITAL WORLD

Worldwide **internet penetration** between 2000 and 2015 has increased 700%, from 6.5% to **43% of the population**.¹ This figure means that 3.2 billion people access internet out of a total of 7.4 billion.

At the beginning of February 2016 there were nearly 3.8 billion mobile phone subscribers in the world, and 7.6 billion internet connections by people, businesses and things². It is forecast that due to the digital phenomenon this figure will grow in the future, especially regarding the connection of things to internet.

The daily volume of internet-based activities illustrates how far digital technology has penetrated citizens' lives.

The same upward trend is seen in activities traditionally done physically and that people are increasingly choosing to do online: shopping for products and services, banking, reading the news, receiving information, dealing with the administration, organizing and coordinating, etc.

THE DIGITAL DIVIDE IS STILL CONSIDERABLE

Despite the marked growth of internet over the last years, **the digital divide between regions and countries continues to exist**, especially regarding internet access. Nearly 60% of the world's population (about 4.2 billion people) still has no Internet access³ and only 15% can afford to pay for broadband.

Geographically speaking, 81.3% of homes in developed countries have internet, whereas in developing countries this number falls to 34.1%, and in underdeveloped countries to 6.7%.

DIGITAL STATISTICS. EVERY⁴ DAY IN THE WORLD...



8.8 billion videos are seen on Youtube



4.2 million searches are done on Google



207 billion emails are sent



4.5 trillion likes are generated on Facebook



186 million photos are shared on Instagram



36 million purchases are made on Amazon



803 million tweets are sent

Homes with internet connection

Source: Graph of the world digital divide 2015. La Vanguardia



- (1) Source: UIT Facts and Figures. UIT is the specialised organism of the United Nations for Information and Communication Technology. Website: <http://www.itu.int/en/IUT-D/Statistics/Documents/facts/ICTFactsFigures2015pdf>
- (2) Source: GSMA. GSMA is the organization that represents the interests of mobile operators worldwide. Website: <https://gsmaintelligence.com>
- (3) Source: Dividendos Digitales. World Bank Group, 2015. Website: http://www-wds.worldbank.org/external/default/WDSPContentServer/WDSP/IB/2016/01/13/090224b08405bbc3/1_0/Rendered/PDF/InformeOsobre00lesOpanoramaOgeneral.pdf
- (4) Source: Dividendos Digitales. World Bank Group, 2015.
- (5) Source: Understanding European Union policies, Europe 2020: European growth strategy, European Commission, 2012. Website: <http://www.lamoncloa.gob.es/espana/eh15/politicasocial/Documents/Europa-2020-la-estrategia-europea-de-crecimientoA.pdf>
- (6) Source: Information Society and Modernization of Galicia Observatory (2015). Website: http://www.osimga.gal/es/actualidade/noticias/20150301_agenda.html

DIGITAL AGENDAS, ACCELERATORS OF TECHNOLOGICAL PENETRATION

The European Union Digital Agenda, the strategy to bring internet to everyone

Since 2010 the European Union has had a **“European Digital Agenda”**. This is one of the seven emblematic initiatives to come out of “Europe 2020”, the growth strategy defined by the European Union for the decade 2010 to 2020. This strategy was created to overcome the economic crisis and lead growth in The European Union towards a **more intelligent, sustainable and integrated model**.

The European Digital Agenda aims to accelerate internet development and implement ICT to bring the benefits of the digital revolution to everyone. To achieve this, the following priority fields of action ⁵ are:

- (1) The creation of a unique digital market.
- (2) The improvement of the framework conditions for the interoperability between products and ICT services.
- (3) The promotion of trust and security in internet.
- (4) Guarantee much faster internet access.
- (5) Promote investment in research and development.
- (6) The promotion of digital literacy, skills and insertion.
- (7) The application of ICT to tackle social challenges such as climate change, rising health service costs and the aging population.

The European Digital Agenda, through **DESI**, measures how far digital performance is advancing in the European Union and its Member States.

DESI 2015 summarises 2014 data for the whole European Union and also each Member State. Countries are classified into three groups (high, middle and low) according to their level of digital performance, measured on a scale of 0 to 1. Denmark (0.68) is the country with the best global score, while Rumania (0.31) has the lowest. Spain is placed in the middle with 0.49, against the European average of 0.47 ⁶.

Compared to 2013, in 2014 the **European Union improved** its digital performance, especially in **connectivity and human capital**. This is due to significant improvements in mobile broadband implementation (from 58 to 67 subscribers per 100 people) and fast broadband implementation (from 18% to 22%). Citizens' basic digital skills also improved (from 55% of the population to 59%).

Areas in most need of improvement are people's internet usage and digital technology integration in companies.

In the five areas covered by DESI, the following aspects stand out ⁷:

Connectivity

Over the last two years there have been more than 20 million high speed internet connections (at least 30 Mbps). Most of this growth is due to a greater investment by telecommunication operators in fixed broadband infrastructures. In Spain, for example, the year 2014 saw a considerable growth in investment to bring optic fibre to homes, rising 30% to 5 billion euros ⁸.

Basic broadband is available to all EU members, and landline services cover 97% of homes. Next Generation Access (NGA) networks, which have speeds of more than 30 Mbps, cover 68% of homes, compared to 62% last year.

Human Capital

Internet users who connect at least once a week have increased to 75% of the population. 65% use internet daily.

However, 18% of the EU population has never used internet. The main reasons are lack of interest or skills and cost.

40% of the population has insufficient digital skills.

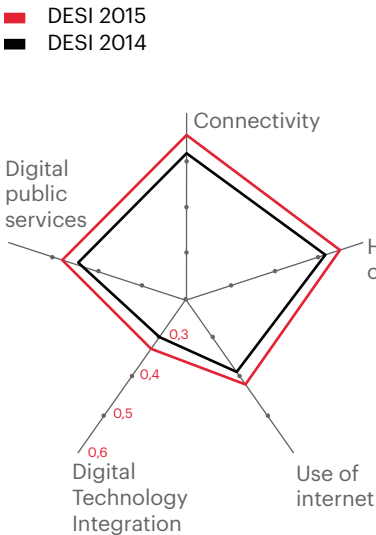
Use of internet

Over half (57%) the internet users in the EU use online banking, and nearly two thirds (63%) shop online.

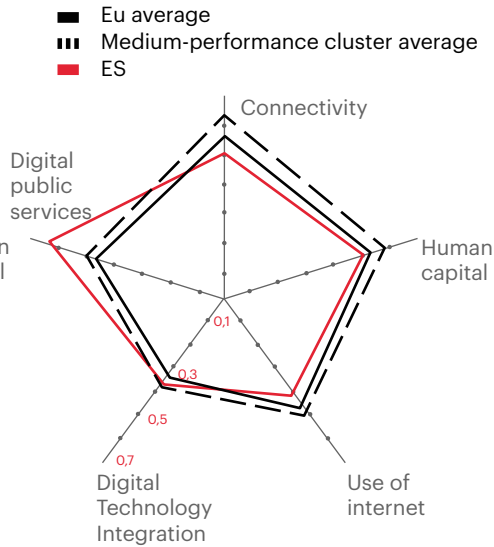
97% of businesses in the EU have internet connection, but only 19% have ever used cloud services.

DESI BENCHMARKS

DESI 2015 vs DESI 2014



DESI 2015 Spain vs EU



- (7) Source: Digital Agenda Scoreboard 2015: Most targets reached, time has come to lift digital borders, 2015. Lloc web: <https://ec.europa.eu/digital-agenda/en/news/digital-agenda-scoreboard-2015-mosttargets-reached-time-has-come-lift-digital-borders>
- (8) Source: Informe Econòmic Sectorial de les Telecomunicacions i l'Audiovisual 2015. Lloc web: <http://data.cnmc.es/datagraph/files/Informe%20Telecos%20y%20Audiovisual%202015.pdf>
- (9) Source: Informe Anual d'Agenda Digital per Espanya, 2015. Lloc web: <http://www.agendadigital.gob.es/Seguimiento/Informesanuales/Informes/informeagenda-digital-espana.pdf>
- (10) Source: Nou indicador, Digital Economy and Society Index (DESI) a l'agenda digital europea. Portal d'Administració electrònica del Govern d'Espanya, 2015. Lloc web: http://administracionelectronica.gob.es/pae_Home/pae_Actualidad/pae_Noticias/Anio2015/Marzo/Noticia-2015-03-06-nuevoindicador-agenda-digital-europea.html#_Vqy1abLhDIV

Digital public services and digital technology integration in companies

26% of the population use internet to interact with the public administration (the 2015 target was 25%).

Online public administration services are not user-friendly or accessible enough for the least digitally-skilled members of the population.

THE DIGITAL AGENDA FOR SPAIN, THE SPECIFICATION OF THE EUROPEAN DIGITAL AGENDA

The Digital Agenda for Spain

complements the European Digital Agenda guidelines. It was passed in 2013 and lays down specific plans to:

- **Improve productivity and competitiveness.**
- **Transform and modernise the Spanish economy and society** through efficient and intensive information and communication technology (ICT) usage by its citizens, companies and administrations.

The Digital Agenda for Spain contains 106 points of action, grouped into **six main targets**⁹.

- (1) Promote the development of websites and services to guarantee digital connectivity.
- (2) Develop the digital economy for the growth, competitiveness and internationalisation of Spanish businesses.
- (3) Improve e-Administration and find digital solutions to provide efficient public services.
- (4) Reinforce trust in the digital world.
- (5) Promote research and development (R&D) in Information and Communication Technology.
- (6) Promote digital literacy and insertion and the training of new ICT professionals.

According to DESI, Spain improved its results in 2014 in all the areas analysed, and was positioned twelfth within the 28 European Union Member States¹⁰.

Spain's progress in DESI is mainly due to connectivity improvement. 65% of homes have high speed broadband access, although there are significant differences between regions.

58% of Spanish citizens have basic digital skills.

Below are Spain's main advances for each of the six targets in its Digital Agenda ¹¹:

Target 1. Promote the development of networks and services to guarantee digital connectivity

The 100Mbps coverage at the beginning of 2015 was for 61% of the population, exceeding the annual target of 50%. Spain also exceeded the European target of 5% of homes connected with more than 100Mbps (5.8% at the end of 2014) and 12% of homes with more than 30 Mbps (13.7%).

However, Spain is short of the target of 25% of homes with NGA connection, reaching 20% at the end of 2014.

Target 2. Develop the digital economy for the growth, competitiveness and internationalisation of Spanish businesses

Online buying and selling by small and medium businesses (SMEs) rose in 2015 to 16% and 25% respectively, when the 2015 target was 33%.

Target 3. Improve e-Administration and find digital solutions to provide efficient public services

At the end of 2014 Spain was very close to reaching the 2015 targets: 49% of citizens used online public administration services (only one point below the target). The target of 25% of completed forms sent to the public administration online was exceeded.

Target 4. Reinforce trust in the digital world

In 2014 62% of Spanish citizens used some kind of security (8 points below the 2015 European Union target).

Trust in internet is 52%, short of the 70% target for 2015.

Target 5. Promote R&D in Information and Communication technology

The Spanish government designed a Plan for the Development and Innovation of the ICT Sector to:

- Increase investment efficiency in ICT R&D.
- Promote private investment in ICT R&D.
- Promote ICT R&D in SMEs.
- Increase Spanish participation in ICT R&D in the international arena.

Target 6. Promote digital literacy and insertion and the training of new ICT professionals

At the end of 2014 71% of the population used internet regularly, close to the 75% set down by the European Union in 2015. Likewise, the use of internet by disadvantaged sectors of the population was 58% in 2014, close to the 2015 target of 60%.

Yet Spain is still far from the target of reaching 15% of the population who have never used internet, with a figure of 21% in 2014.

- (11) Source: Agenda Digital per Espanya. Observatori Nacional de Telecomunicacions i Societat de la Informació (ONTSI), 2015. Lloc web: <http://www.agendadigital.gob.es/Seguimiento/Indicadores/Paginas/Indicadores.aspx>
- (12) Source: Agenda Digital per a Catalunya 2020, Generalitat de Catalunya. 2013. Lloc web: http://www.idigital.cat/documents/10501/405750/Agenda_Digital_CAT_maquetada.pdf
- (13) Source: idigital i Institut d'Estadística de Catalunya (Idescat), 2015.

IDIGITAL, THE CATALAN ROADMAP FOR EXCEEDING THE EUROPEAN DIGITAL TARGETS

Idigital The 2020 Catalan Agenda (idigital) was passed in 2013 by the Catalan Government. It was created to design the strategies for ICT development and to draw a roadmap that will put Catalonia among the leading European countries in the use of ICT.

The idigital defines **eight strategic points** ¹²:

- (1) Axis 1. Business competitiveness.
- (2) Axis 2. Digital citizens and social cohesion.
- (3) Axis 3. Quality and efficient online public administration.
- (4) Axis 4. Advanced welfare services.
- (5) Axis 5. Digital security.
- (6) Axis 6. Development of the Catalan ICT sector.
- (7) Axis 7. Technology infrastructures.
- (8) Axis 8. Digital research and innovation.

In order to compare the digital situation of Catalunya with other European regions the digital index was created. According to the latest data in this index, in 2013 Catalonia was among the 20 top European regions out of a total of 269, and idigital poses the challenge of placing Catalonia in the top 10 leading regions in ICT.

In addition, idigital provides information to track the targets set down in the European Digital Agenda through the five points of DESI. Below are the results for Catalonia ¹³.

Connectivity

The rate of broadband infrastructure development in Catalonia has exceeded the thresholds set down in the European Digital Agenda.

Human Capital

79% of Catalans regularly used internet in 2015 (at least once a week), a figure above the 75% fixed by the European Union for 2015. On the other hand, non-internet users made up 15.6% of the population in 2015, very close to the EU figure of 15%.

Use of internet

In 2015 39% of Catalans had shopped online in the previous 3 months.

Digital public services and digital technology integration in companies

49% of the population had used online public administration services in the previous 3 months.

THE CITIES' CHALLENGES

Europe and each one of its states and regions have digital agendas and indicator systems which enable them to make plans of action and measure their level of development to guarantee the population's integration into the digital society.

In this context, public administrations must offer citizens all the tools they need to **participate, collaborate and drive the digital change** that leading cities are undertaking.

The international comparative

All the reports and analyses which compare the evolution of different countries and regions use data sources provided by Eurostat, international organizations, national statistics institutes and telecommunications market regulatory organisms.

These organisms provide structured information on a country or region, but not a city. This study has shown that most of this information should include the city as a measurement unit to understand how the digital phenomenon impacts on it.

This perspective is relevant since cities are increasingly becoming the engines of digital change and drivers of digital agendas.

Currently a comprehensive digital index for cities has not been compiled by public administrations. There are some focused on specific areas, such as the European Digital City Index ¹⁴ which analyses how European cities give support to digital entrepreneurs.

There are also some studies in the private sector:

- The IESE Cities in Motion Index¹⁵, which evaluates different cities on ten key points: governance, urban planning, public administration, technology, environment, international projection, social cohesion, transport and mobility, human capital and economy.

- (14) Source: European Digital City Index 2015. Website: <https://digitalcityindex.eu/>
- (15) Source: IESE Cities in Motion Index, 2015. Website: <http://www.iese.edu/research/pdfs/ST-0366.pdf>
- (16) Source: Networked Society City Index, Ericsson. 2015. Website: <http://www.ericsson.com/thinkingahead/networked-society/city-life/city-index>

— The Ericsson Networked Society City Index ¹⁶, which analyses the best connected cities in the world. The report examines the technological maturity of 40 cities with regard to the influence of Information and Communication Technologies (ICTs). The index is based on technological variables like infrastructure, use and accessibility to measure how these affect economic, social and environmental development (known as Triple Bottom Line). This analysis measures the balance between people, economic activities and sustainability. Barcelona was included in the study for the first time in 2014, placing it 18th out of the 40 cities in the index. Currently Stockholm leads the ranking, with London and Paris in 2nd and 3rd positions.

All these studies and reports are of interest, but it is necessary to have a reliable and updated source of information showing internet access, frequency and usage of Barcelona citizens.

The starting point

This report is based on data from the MWCcapital survey and other organisms and administrations. It is structured in a standard framework which allows the results to be compared with those of the European Union. The methodology is based on DESI, which measures the digital performance of different EU countries to reach the targets of the European Digital Agenda.

The report **must be the starting point to:**

- **Conduct a digital analysis** of Barcelona citizens. This analysis must detect the main difficulties for accessing, knowing and using digital tools, and has to identify the profiles most susceptible to exclusion from the digital world.
- **Design and implement a set of public policies** aimed at full individual and collective digital inclusion, participation and development in Barcelona.

In summary, this report can help create a turning point, and redirect the scope of the digital divide debate towards cities, given their significance.



5. DETAILS OF RESULTS

Triple view

The report gives firstly an overview of Barcelona; next an analysis based on variables like age, gender, occupation or level of education; and finally an analysis related to district income level.

5.1 GENERAL RESULTS

5.2 RESULTS BY CATEGORY

5.3 RESULTS ACCORDING TO DISTRICT INCOME LEVEL

This section shows the general results for Barcelona citizens regarding the digital phenomenon.

The structure of the section is as follows:

- **Identification and analysis of citizens’ internet usage profiles.**
- **Information on citizens’ internet access and barriers.**
- **Knowledge of internet usage and security.**

A third of Barcelona citizens have an advanced internet usage profile.

This means they use 3 devices or more to connect and do six activities or more online. Most of the inhabitants of Barcelona are intermediate users (35%), while a quarter are basic or sporadic users.

Age, education level, occupation and district are key points to determine the profile. A senior citizen, a homemaker, a retired citizen, with a low education level and living in low income districts is the likely profile of a basic, sporadic or non-user of internet.

90% OF BARCELONA CITIZENS USE INTERNET. THEY CAN BE DIVIDED INTO SPORADIC, BASIC, INTERMEDIATE OR ADVANCED USERS ACCORDING TO THEIR USAGE

90% of the population of Barcelona use internet. Among this vast majority there are different user profiles according to the number of devices used and different internet usages. The profiles identified are: advanced, intermediate, basic, sporadic and non-user.

The most common profile in Barcelona is intermediate (34.7%), followed by advanced (30.7%) and basic (20.8%).

10% of Barcelona’s citizens never use internet and 4.2% are sporadic users.

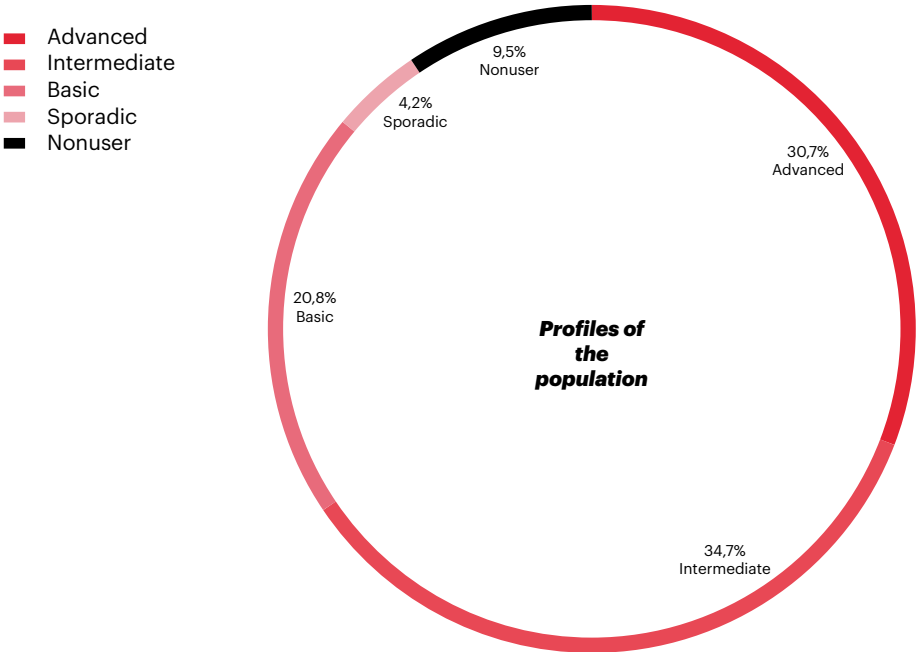
PROFILE FEATURES ¹

The advanced user: under 44, high level of education and resident in high or middle-high income districts

The advanced internet user in Barcelona is a man or woman under 44 years old, Spanish and with a high level of education. He or she is working or studying and lives in a high or middle-high income district. As for location, the advanced user is found in the greater districts of Sant Gervasi- Glavany, la Dreta de l’Eixample and Nova Esquerra de l’Eixample.

Paramiters to identify the profiles¹

Type	Last Internet use	Number of devices used	Activity done
Advanced user	Last three months	Minimum 3	Minimum 6
Intermediate user	Last three months	Minimum 2	Minimum 4
Basic user	Last three months	Minimum 1	Minimum 2
Sporadic user	Last three months	Minimum 1	0 o 1
Non-user	Does not use internet	-	-



- (1) See Annex. Table 1. Features of user and non-user profiles.
(2) See Annex. Table 2. Usage categories.

The intermediate user: between 16 and 34 years old, middle or high level of education and resident in high or middle-high income districts

The intermediate internet user is the least well-defined since it is the most numerous. It is a more masculine than feminine profile and with a large number of young people (16 to 34), although all age groups are represented. This profile includes both Spanish citizens and foreign residents, with a middle or high level of education. They are working, studying or unemployed. The intermediate profile is most common in high or middle-high income districts. The districts with the highest concentration of intermediate users are Sarrià, Les Corts and La Vila de Gràcia.

The basic user: over 45, middle or low level of education, homemaker or unemployed

This group of users includes both men and women over 45 and has the highest number of foreigners. They have a middle or low level of education, are homemakers or unemployed, and live in middle-low or low income districts. The districts with the highest concentration of basic users are Sagrera, Congrés i Navas, Trinitat Vella, Baró de Viver i Bon Pastor, Sant Antoni and the Val Id'Hebron districts.

The sporadic user: over 55, with a low level of education and is a homemaker or retired

The sporadic user is between 55 and 75 and is a man or a woman with Spanish or foreign nationality. He or she has a low level of education and, in a greater proportion than other profiles, is a homemaker or retired. This kind of user lives in middle or low income districts. The districts of Sant Antoni, Canyelles, Roquetes, Trinitat Nova, Vilapiscina, Porta, Ruró de la Peira and Can Peguera have the highest percentage of sporadic users.

The non-user profile: over 65, low level of education, and lives in middle-low or low income districts

The profile of a person who never uses internet is a woman older than 65, Spanish, with a low education level, a homemaker or retired. This profile is found in middle-low or low income districts. The districts with the highest percentage of people with this profile are Carmel, Can Baró, La Marina and Sant Andreu.

34,7%
Intermediate

9,5%
Nonuser

30,7%
Atvanded

4,2%
Sporadic

20,8%
Basic

Most of Barcelona's citizens are connected to internet, either by home connection (83%) or smartphone (77.6%). They connect with an average of **2.11 devices** (2.33 if non-users are excluded).

Landline or mobile coverage is not a barrier to internet connection. Those people who say that a lack of coverage is the reason for not using internet at home is only 0.2% of the population surveyed.

Among non-users, **the cost of service** is a greater barrier to home internet connection. This is the case for 3.7% of the population, and for 1.6% regarding smartphone.

MORE THAN 83% OF BARCELONA CITIZENS HAVE HOME BROADBAND AND 77% USE INTERNET ON THEIR SMARTPHONE

Although most of the population has internet access, the main barriers are economic

Most people in Barcelona have broadband home internet connection (84%).

Citizens who say they have home broadband internet connection.
Source: MWCcapital

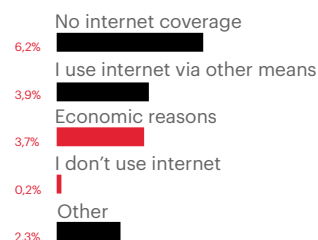


The report "Geographical analysis of broadband service and NGA development in Spain" by the National Markets and Competition Commission (CNMC) shows that Barcelona had 702,327 fixed broadband connections in 2014. This figure does not specify how many are for domestic or other uses, so to obtain approximate levels of coverage we can add that 84% of the citizens surveyed in the MWCcapital survey say they live in a connected home. The CNMC report shows evident growth in the last few years in the implementation of New Generation Accesses (NGA) and in particular optic fibre in the home (FTTH).

The survey shows that currently the most widespread connection is optic fibre with 50.9%, followed by ADSL/VDSL/SDSL with 43.5%.

According to a number of studies that analyse the digital divide³, the main barriers to home internet are usually cost and lack of infrastructure.

Reasons for the lack of home internet connection (out of total Barcelona population). Source: MWCcapital



In the case of Barcelona 22.5% of citizens who do not have internet give economic reasons, 3.7% of the total population.

However, only 1.2% of those who have no home internet say it is due to lack of coverage, 0.2% of the total population between 16 and 74 years old.

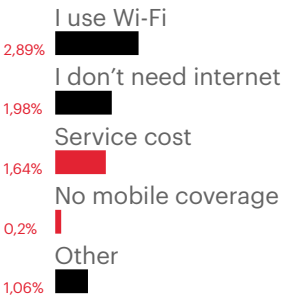
Access to internet is mobile: 77% of Barcelona citizens are connected to Internet via smartphone

The percentage of citizens who have a smartphone is similar to that of people with internet in the home. 84.5% of the inhabitants of Barcelona have a smartphone, while 15.4% do not. Among smartphone users 91.8% have a data plan (which means that 77% of the population have a smartphone with a data plan), compared to 7.6% of users who do not have this service.

7.6% of the population with a smartphone do not have a data plan. The main reason for this is because they connect using Wi-Fi (2.9% of smartphone owners) or consider that internet is not necessary (2% of people with smartphones). The economic barrier affects 1.6% of smartphone owners, while mobile coverage is not an access barrier as is shown by the fact that only 0.02% of people interviewed gave this as a reason for not having internet on their smartphone.

(3) Source: La brecha digital en España, UGT, 2015. Website: http://www.ugt.es/Publicaciones/BRECHADIGITAL_WEB.pdf i eEspaña 2014, Informe anual sobre el desarrollo de la Sociedad de la información en España, Fundación Orange, 2014. Website: https://www.proyectosfundacionorange.es/docs/eE2014/Informe_eE2014.pdf

Reasons for not having smartphone data plan (percentage of population with smartphone)Source: MWCcapital



With regard to mobile coverage, the “Report on the quality of Telecommunication Services” commissioned to CaseOnIt with the MedUX system, shows that Barcelona has high rates of coverage and service. The results of these measurements indicate a coverage of 99.56% in mobile broadband. Of these connections 9 out of 10 are with 4G technology and failing that with 3G.

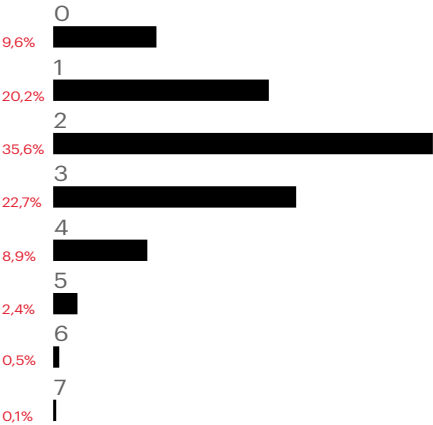
The analysis was carried out in January 2016 with nearly 1 million coverage and service quality measurements over the whole of Barcelona. The two areas found to have a below average coverage are located in certain parts of Vallvidrera and l’Elxample (see details on map).

The citizens of Barcelona are multi-device users. Over 70% of the population use 2 devices or more to connect to internet

Another way to measure the degree of access and connectivity of the population is the number of devices people use to connect to internet.

Barcelona’s citizens use an average of 2.33 devices (2.11 if we take into account the people who do not connect). 78.5% of the population use between 1 and 3, 11.9% use 4 or more and 9.6% use none.

Number of devices to connect to internet per person. Source: MWCcapital



The **mobile** is by far **the most common device among those people who use internet**. 9 out of ten citizens use this device to connect. The laptop is far behind with nearly 60%.

The most common online activities are: **email** (90%), **reading news** (85%), **and using social networks** (75%).

As for security online, while **most Barcelona citizens use more than one password** (51%), **over half the population never change it**.

BARCELONA CITIZENS MAINLY CONNECT FROM THEIR SMARTPHONE TO USE EMAIL, NEWS WEBSITES AND SOCIAL NETWORKS

The smartphone (89.4%), laptop (58.2%) and tablet (33.7%) have been the most frequently used devices to connect to internet in the last three months. The home desktop is used by 28% of the population and the work desktop by 14%.

The most common use is for personal communication, reading news and social networks

Among the most popular uses of those who have connected in the last three months, three stand out: email (89.9%), news websites (85.4%) and social networks (74.6%). The least popular activities are online courses (13.5%), sharing goods or services without remuneration, (10.5%) and creating a web or blog (9.2%).

Half of internet users only use one password and more than half never change it

Even though most citizens use more than one password to connect to internet (51%), the majority never change them (54.2%). So, despite an awareness of the need for secure internet access and different passwords, people do not in periodically change their password.

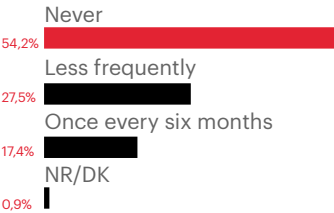
Careful behavior on internet: sharing contents with restrictions

Among those citizens who upload contents onto social networks only 30% are aware they are doing so openly, while 61.1% believe they restrict access to just a few people.

Internet usage in the last three months.
Source: MWCcapital

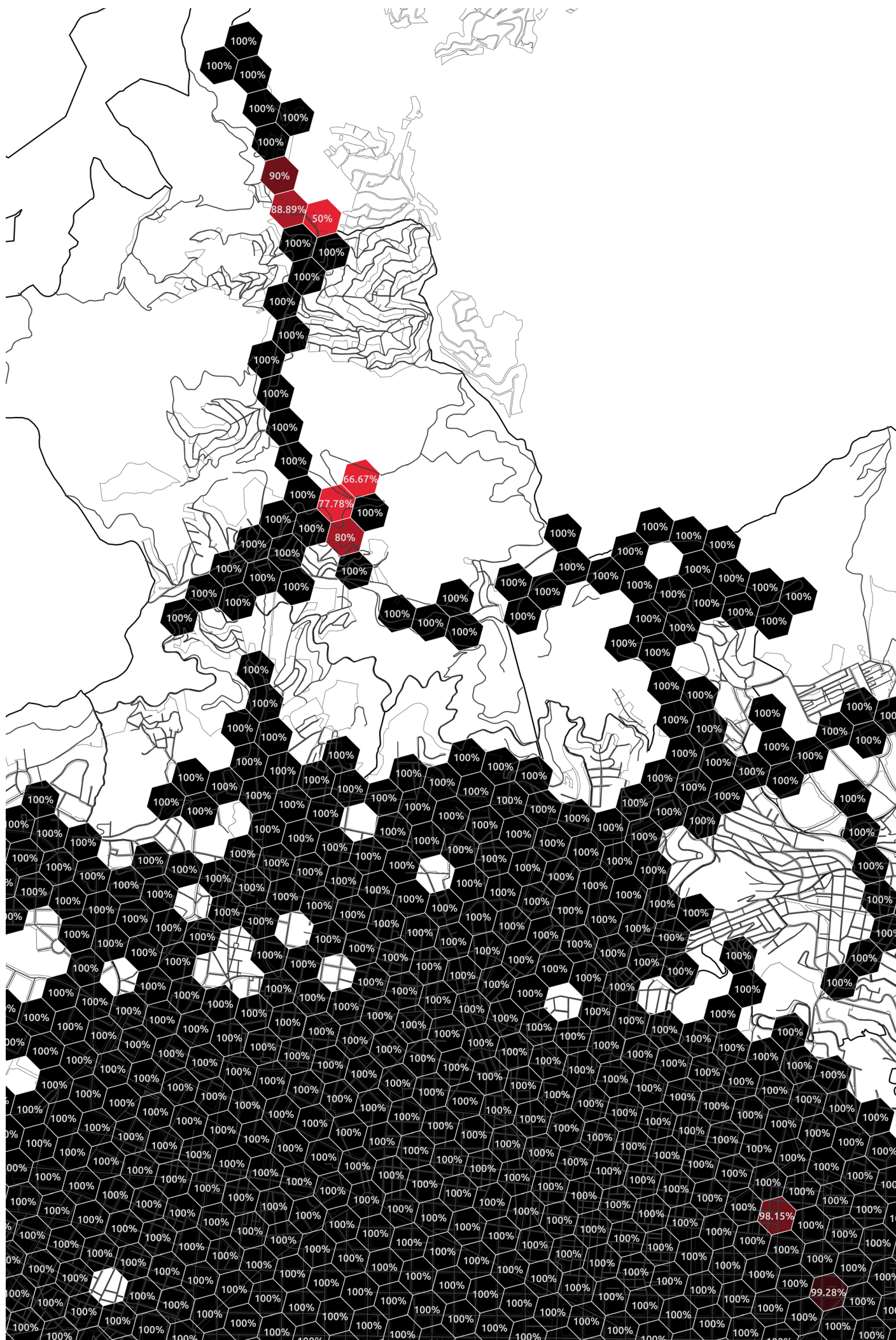


Password change frequency.
Source:MWCcapital



COVERAGE LEVELS IN BARCELONA BY DISTRICTS IN JANUARY 2016





This section gives the results by category, highlighting the most significant points which explain the differences in internet connection, usage and security. The variables analysed are age, gender, education level, job, nationality and greater districts.

Age determines internet usage and security measures.

Internet access is widespread across all age groups. Over three quarters of the population under 64 have home or smartphone internet connection. This percentage reaches almost 100% for those under 24, whereas over 65 the figure drops sharply.

Age determines internet usage. Young people under 24 use internet more than the rest of the population for social networks, information search and job hunting; people between 25 and 44 engage in transactional (buying and selling), administrative and collaborative economy (sharing goods and services) activities more frequently; people over 45 use internet more than other age groups for administrative tasks and making doctors' appointments.

With regard to internet security, senior citizens are less aware of this aspect. They will also use fewer different passwords and change them less often.

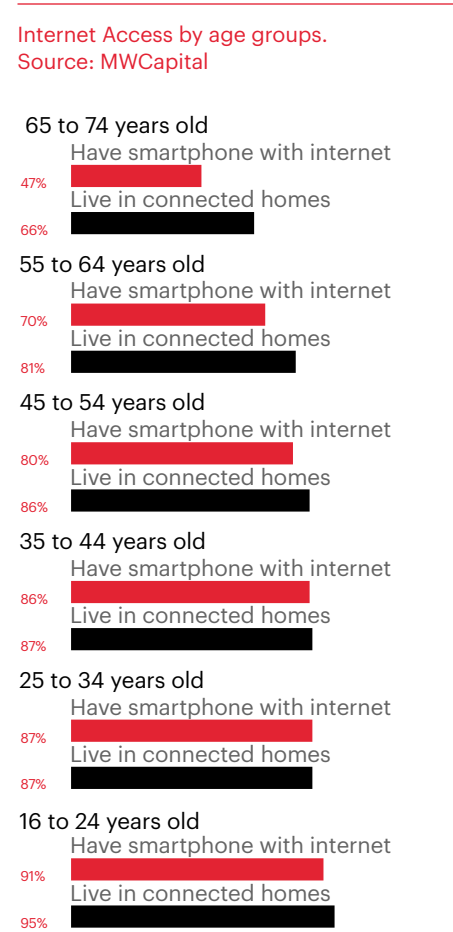
AGE

Most of the population under 64 years old is connected to internet. Over this age, if they do not use internet it is due to lack of interest or need

Home internet connection is generalized in all age groups. Over 80% of the citizens of Barcelona under 64 years old live in a home with internet connection. This percentage drops to 66.4% in the case of the over 65s, while 95% of young people up to 24 live in a home with Internet.

The same trend can be seen regarding smartphone internet access. Up to 64 years old most people use their smartphone to connect to internet, while only half of those over 65 (47%) use this device to do so.

As for the type of home internet connection, optic fibre is the most common in all age groups. It is notable that 55.4% of people between 65 and 74 years old have optic fibre at home and are 5 points ahead of the rest of the population (average 50.9%) in the adoption of this technology.



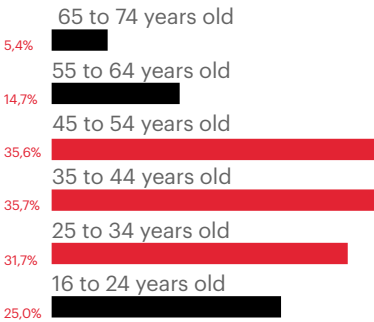
The reasons given by those people under 54 years old for not having internet at home were mainly economic ones, while over 65 the main reason is lack of interest (78.6% of those between 65 and 74 without internet at home say it is because they do not use or need it).

Internet is used daily or almost daily by those under 64 years old

Nearly 80% of the population between 16 and 64 years old and more than half of those over 75 have connected to internet in the last 24 hours. Those people who never connect to internet are in the 65 to 74 age group, where 34% of the population does not use internet at all.

Percentage of people by age group without home internet connection for economic reasons.

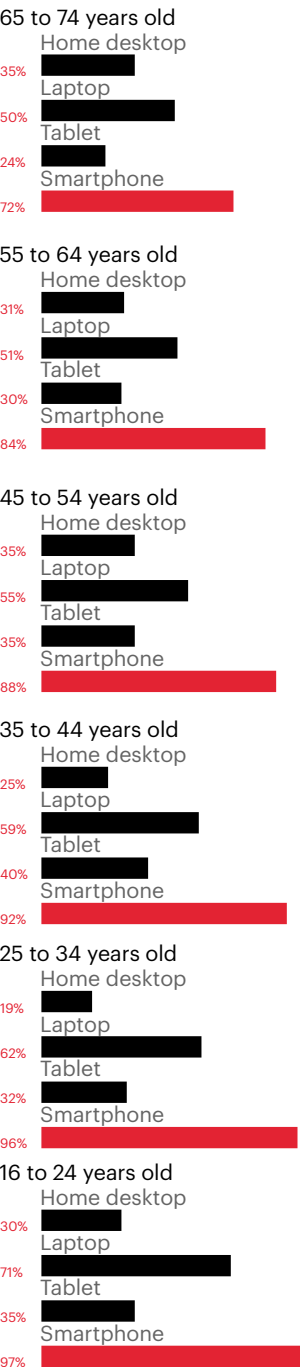
Source: MWCcapital



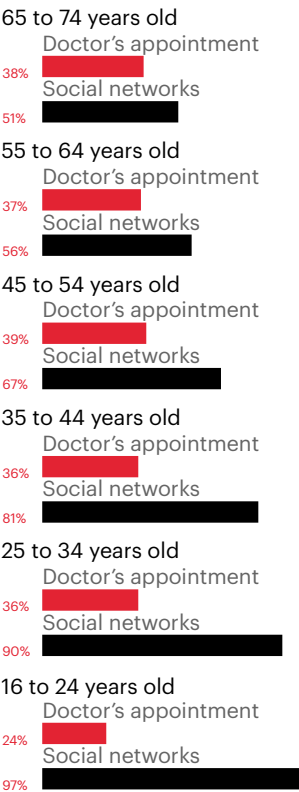
Last time internet was used.
Result by age group and last use recalled. Source: MWCcapital

	16-24	25-34	35-44	45-54	55-64	65-74
Today or yesterday	98,2%	95,9%	93,3%	88,6%	78,1%	51,5%
In the last week	1,6%	2,1%	2,9%	3,2%	5,5%	6,7%
Two to four weeks ago	0,2%	0,3%	1,1%	1,0%	1,9%	1,2%
More than one month and less than three months ago	0,0%	0,3%	0,6%	0,6%	0,7%	1,1%
More than three months and less than one year ago	0,0%	0,4%	0,2%	0,9%	0,9%	0,9%
More than one year ago	0,0%	0,3%	0,7%	0,7%	1,8%	3,8%
Never use internet	0,0%	0,7%	1,3%	4,8%	11,1%	34,9%

Devices to connect to internet (out of the total who have used internet in the last three months). Source: MWCcapital



Age differences in social network usage and making a doctor's appointment online in the last three months. Source: MWCcapital



Internet access in Barcelona is preferably via smartphone in all age groups

Young people mainly use the smartphone and laptop. Over 90% of the population under 44 years old connect to internet on the smartphone whereas this figure drops to 72% in the 65 to 74 age group. The tablet is used by over a third of the population under 54 years old, those in the 35 to 44 age group use this device the most. The home desktop is the device least used by citizens under 44 years old, while those between 45 and 64 use the desktop in the same proportion as the tablet.

Young people are the most frequent users of social networks and older people make doctor's appointments online more than the rest of the population

There are two opposing uses of internet according to citizens' age groups. Social networks are massively used by those between 16 to 24, an activity that decreases with age. In contrast, younger citizens use internet less frequently for making doctors' appointments, a practice which increases over the age of 25.

There are also significant differences between the young, adult and senior population regarding other social internet usage. Senior citizens engage less in social activities: two thirds of young people between 16 and 24 years old use video calls, against one in three between 65 and 74; and over half of the younger citizens have uploaded contents onto webs or blogs compared to only one in ten in the 65 to 74 age group.

The most widespread social internet activities over all age groups are emailing and reading the news (more than 75%).

Social internet usage by age group. Source: MWCcapital

	16-24	25-34	35-44	45-54	55-64	65-74
Email	98,3%	93,6%	90,7%	88,9%	85,0%	77,7%
Skype or similar	66,7%	65,7%	53,0%		37,2%	29,2%
Social networks	97,1%	89,8%	81,0%	66,9%	56,0%	40,7%
Upload contents onto webs or blogs	52,4%	41,6%	30,9%	21,1%	16,2%	9,0%
Create a web or blog	15,6%	12,3%	10,4%	6,8%	4,9%	3,1%
Read news online	91,4%	90,0%	85,8%	84,5%	79,5%	75,3%

Transactional and collaborative economy usage by age group. Source: MWCcapital

	16-24	25-34	35-44	45-54	55-64	65-74
Transactional uses						
Rent on internet	15%	15%	18%	13%	10%	8%
Sell on internet	23%	25%	23%	15%	6%	5%
Buy on internet	61%	64%	60%	55%	37%	29%
Collaborative economy uses						
Share goods	14%	15%	12%	8%	6%	5%
Participate in social movements	23%	30%	26%	24%	26%	21%

Administrative, health-related, training and work-related usage by age group.
Source: MWCcapital

	16-24	25-34	35-44	45-54	55-64	65-74
Administrative usage						
Information search on public administration websites	62%	70%	67%	66%	57%	45%
Interaction with the public administration	34%	47%	47%	46%	39%	23%
Online banking	51%	76%	70%	67%	56%	46%
Health-related usage						
Make doctors' appointments	24%	36%	36%	39%	37%	38%
Search for health-related information	65%	66%	62%	61%	53%	48%
Training and work-related usage						
Training courses	13%	20%	15%	12%	10%	5%
Job search	44%	43%	30%	24%	14%	0%

Millennials lead in internet transactional and collaborative economy activities

Transactional activities (buying, selling, renting) are most frequent among those between 16 and 44 years old, but especially in the 25 to 34 age group. These citizens buy (63%) and sell (25%) more online, whereas those between 35 and 44 rent more (18%).

Regarding the collaborative economy, those between 25 and 34 years old engage most in sharing goods and services without remuneration (15%) and also in social movements (30%), although this last activity is in a similar proportion to other age groups.

Participation in social movements and associations involves between 20% and 30% of the population of all ages.

Adults use internet to interact with the administration a lot more than young and more senior citizens

Adults between 25 and 54 years old lead in online interaction with the administration, those under 44 for training and work-related issues, whereas health-related uses show evident differences: those under 34 lead the search for information on health, while those over 45 make more doctors' appointments online.

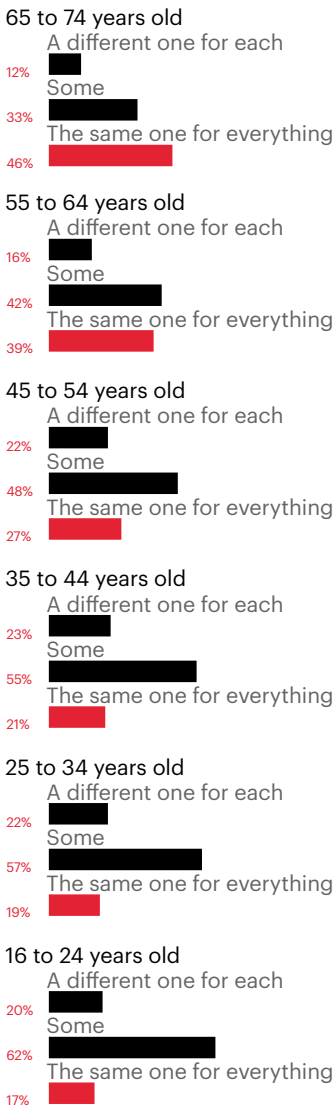
Senior citizens are less aware of internet security

Age is a determining factor for managing secure internet access. Senior citizens are those who take the least precautions, since they use the same password for everything (45% of those between 65 and 74 years old) and most of them never change it (70.1%).

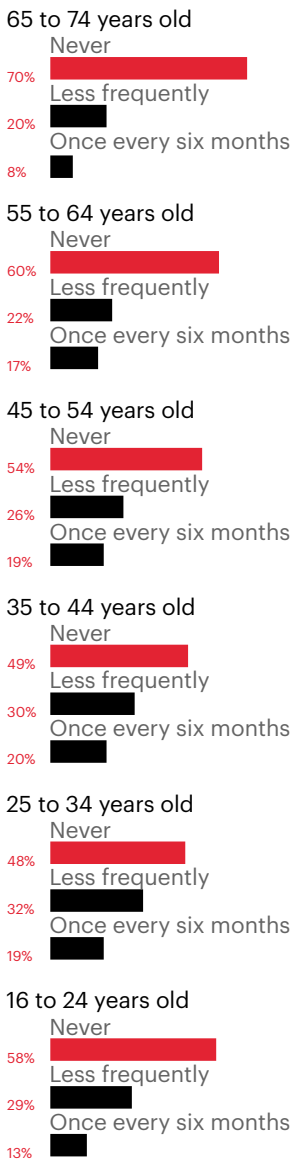
If we compare the frequency of password change, we see that younger people do this more often. In contrast, 70""% of those between 65 and 74 have never changed their password.

Less awareness of Internet security among more senior citizens can also be seen in content upload onto social networks. Those who restrict access are mainly over 55 years old (50%), while two thirds of those under 44 apply security measures.

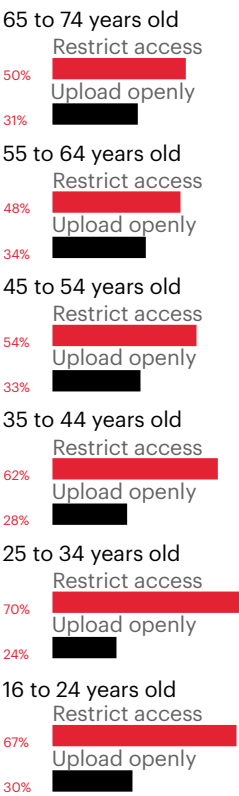
Number of internet passwords and renewal frequency. Source: MWCcapital



Password renewal frequency by age group. Source: MWCcapital



Upload contents onto social networks according to degree of privacy. Source: MWCcapital



- (1) Source: La brecha digital en España, UGT, 2015.
Website: http://www.ugt.es/Publicaciones/BRECHADIGITAL_WEB.pdf

There is no gender divide in internet access and usage frequency in Barcelona although traditionally gender had produced a wide division¹.

The results of the study show that in Barcelona there is currently no difference between men and woman regarding internet connection. Both have internet access and connect with same frequency.

With regard to internet usage, there are only considerable differences in certain cases. Woman deal more with health-related issues (searching for information and making doctors' appointments), while men engage in more commercial activities and have more webs and blogs.

Finally, men and woman show different behavior with regard to online security. Women apply more restrictions when uploading contents onto social networks whereas men are more careful about password security.

GENDER

There are no gender differences regarding internet connection

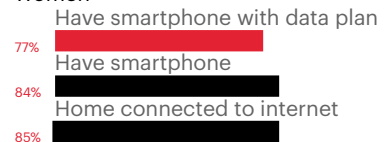
A very similar number of both men and women in Barcelona connect to internet from home or smartphone. 83% of men have home internet connection and 85% of women, while 85% of men have a smartphone and 84% of women. In both cases 77% have a smartphone data plan.

The only noticeable difference between men and women has to do with one of the reasons given for not using internet, specifically because they have no need of it. Woman claim this more than men, for both the lack of home and smartphone internet connection.

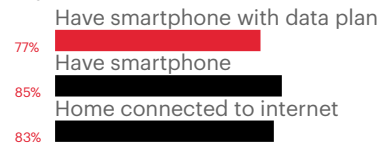
There is no significant difference between men and women regarding the last time they used internet. 91% of men have connected in the last three months and 90% of women.

Internet connection and possession of smartphone. Source:MWCcapital

Women

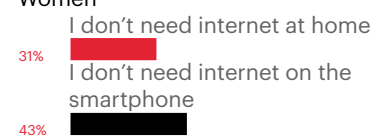


Men

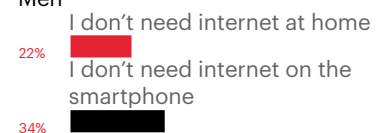


Main reasons for not connecting to internet at home or via smartphone. Source:MWCcapital

Women



Men



Last time internet was used. Source: MWCapital

	Men	women
Today or yesterday	87%	84%
In the last week	3%	4%
Two to four weeks ago	1%	1%
More than one month less than tree months ago	1%	1%
More than three months less than one yera ago	1%	1%
More than one year ago	1%	9%
Never use internet	7%	0%

Men engage in more commercial internet activities, and women are more interested in health-related issues

The only differences between the way men and women use internet are that women search for health-related information and make doctor’s appointments more frequently than men, while men use internet more for selling goods and creating blogs and webs.

Women restrict access to information they upload more and men manage passwords better

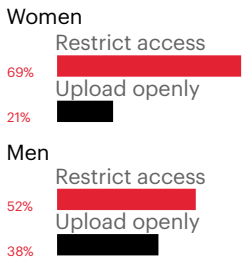
Most differentiated internet usage by gender. Source: MWCapital.

	Men	Women
Transactional usage		
Rent on internet	15%	13%
Sell on internet	20%	17%
Buy on internet	55%	53%
Health-related usage		
Make doctors' appointments	32%	38%
Search for health-related information	55%	65%

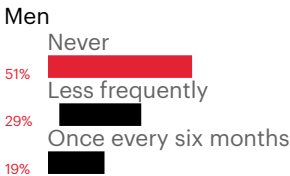
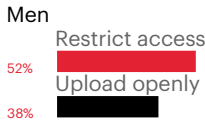
Men and women manage online security in different ways. Men do not apply so many restrictions to the information they upload and share contents more openly than women, while women do not change their passwords as frequently as men.

Women’s precaution when uploading contents is not reflected in password management. Men are ahead in this aspect, although over half of them say they have never changed their password (51% men and 57% women).

Behaviour when uploading onto social networks. Source:MWCapital



Behaviour when uploading onto social networks. Source:MWCapital



Being a student or a working citizen means being connected.

Internet access is different according to a citizen's work situation. 90% of students and working citizens have home or smartphone internet connection, compared to 60% of retired people.

The differences between groups can also be seen in internet usage. While students lead the use of social networks, working citizens and the unemployed are ahead in administrative use, and the retired in health-related use.

Regarding online security, the groups who use internet less frequently (retired citizens and homemakers) are also those who take fewer precautions.

OCCUPATION

Students and working citizens are the groups most connected to internet. The unemployed and the retired, the least

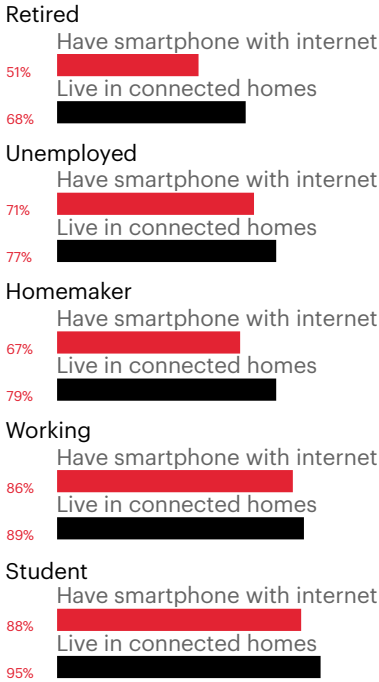
More students and working citizens have their home connected to internet than other groups. Retired citizens are those with the least home connection, although it is available. Internet access on smartphones shows the same pattern: most students and working citizens have this service, compared to only 50% of retired people.

The unemployed and homemakers do not have internet access for economic reasons

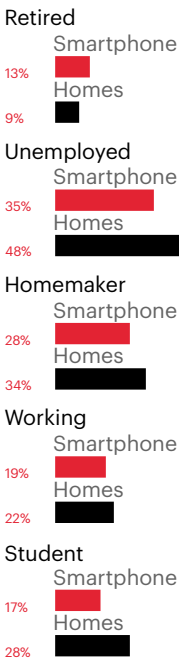
For those people without internet access at home, the main reason is economic for nearly 50% of the unemployed and homemakers. It is the same case for Internet on the smartphone.

As for frequency of use, 100% of students, 97% of working citizens and 94% of the unemployed have connected to internet in the last three months. In contrast, only 65% of retired citizens, the segment with the least access, have connected in the same period.

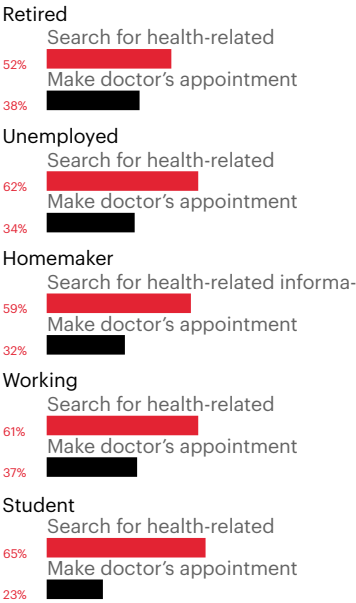
Internet access by occupation.
Source: MWCcapital



Percentage of people without home internet connection for economic reasons by occupation. Source: MWCcapital



Health-related usage. Source: MWCcapital



Students lead internet social usage, working citizens and the unemployed lead administrative use and the retired are ahead in health-related use

Although there is generalized internet social and communicative use among the different groups, such as reading news and emailing, it is students who show the most frequent use: 98% upload onto social networks, 72% use video calls and 52% upload contents onto webs or blogs.

As for health-related internet usage, students make doctors' appointments online less frequently but search for more health-related information. In contrast, retired people make doctors' appointments more frequently but use internet the least to search for health-related information.

Working citizens and the unemployed are those who use internet the most for public administration-related activities: interaction with the administration (over 45% in both cases) or searching for information on public administration websites (two out of three in both groups). Working citizens use online banking a lot more frequently than other groups (more than seven out of ten).

Regarding transactional internet usage, 60% of students and working people buy online. The unemployed also sell goods on internet.

Main social internet usage by occupation. Source: MWCcapital

	Working	Unemployed	Retired	Homemaker	Student
Social uses					
Email	92%	88%	79%	79%	98%
Skype or similar	51%	49%	31%	46%	73%
Social networks	77%	78%	45%	71%	98%
Upload contents onto webs or blogs	32%	26%	11%	13%	52%
Create a web or blog	10%	8%	3%	5%	14%
Read news online	88%	84%	76%	76%	92%

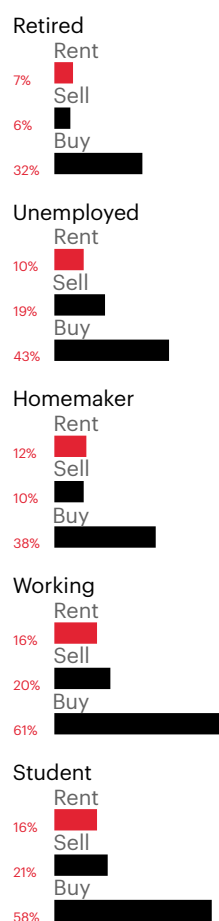
The unemployed search for a job on internet and working citizens do online training courses more often than other groups

Internet usage for training purposes and searching for a job are closely linked to a citizen's work situation. The unemployed lead in job-hunting, while working citizens do online training courses more frequently (17%), followed by students (12%) and the unemployed (11%).

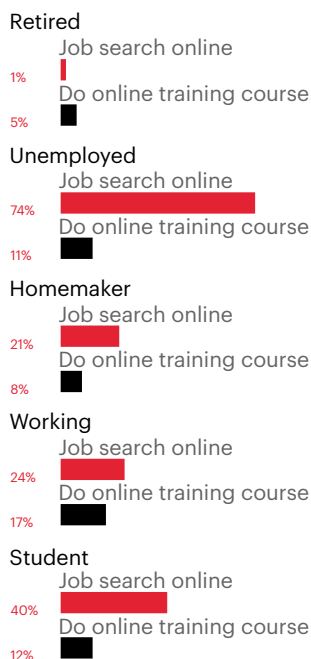
The collaborative economy is another common internet use. Students (15%), working citizens (11%) and the unemployed (11%) are those who most frequently share goods online without remuneration. However, participation in social, association and neighbourhood movements is a widespread practice regardless of a person's work situation.

The most common internet usage among citizens with different work situations is reading news and emailing (more than 75% in all cases) and participating in social, association and neighbourhood movements (about 20% in all groups).

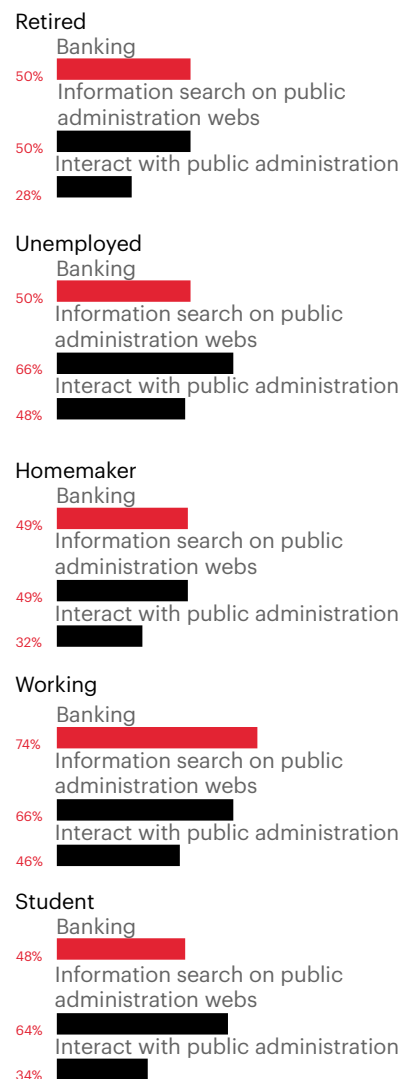
Transactional usage by occupation. Source: MWCaptal



Training and work-related usage by occupation. Source: MWCaptal



Administrative usage. Source: MWCaptal

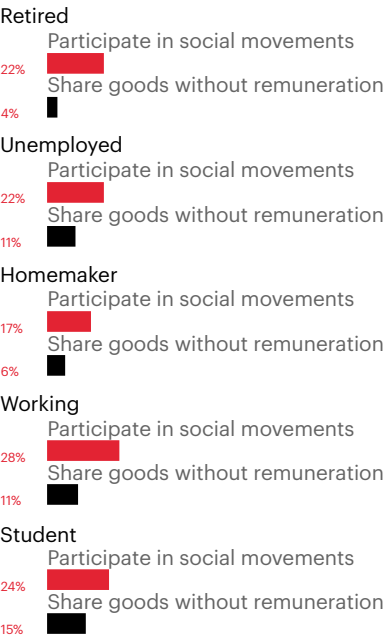


Retired citizens and homemakers are those who use internet with least security

Retired citizens (43%) and homemakers (38%) are those who most frequently use the same password for all online services. These citizens, and also the unemployed, change their passwords with less frequency than other groups: 67% of retired citizens, 64% of homemakers and 61% of unemployed never change their password.

There are no significant differences between citizens in different work situations when uploading contents onto internet. In all cases approximately a third of them do so openly, while two thirds put access restrictions onto the contents they share online.

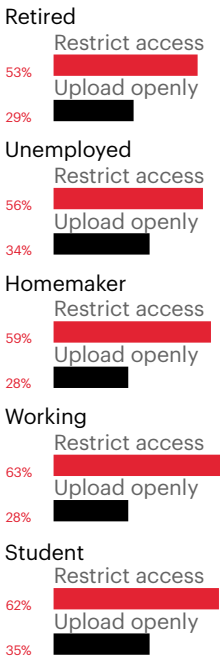
Collaborative economy usage by occupation.
Source: MWCcapital



Password renewal frequency by occupation.
Source: MWCcapital



Behaviour when uploading onto social networks by occupation.
Source: MWCcapital



Education level is a determining factor for internet access, usage, interaction with the administration and economic activities.

Citizens with a low level of education have less home and smartphone internet access compared to those with a middle or high level.

Education level has a significant influence on citizens' administrative and transactional internet usage. Citizens with a low level interact with the public administration on internet, use online banking , buy online and do online training courses less frequently than those with a higher level of education.

Citizens with a lower level of education also connect in a less secure way and run more risks when using internet.

EDUCATION

A low level of education is synonymous with less connection to internet

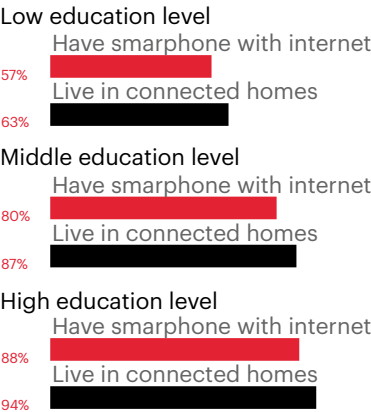
Internet connection depends on education level. About 90% of people with a high level of education and 80% of those with a middle level have home and smartphone internet connection.

The most significant differences are found in citizens with a low education level: only 63% have home internet and 57% have smartphone connection.

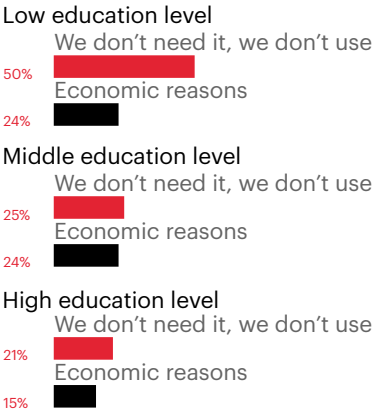
The main reason given for not having home internet connection is the lack of interest or perceived need. However, over a third of people with a low or middle education level who have no home internet connect by other means.

Education level also determines internet usage frequency. While nearly all citizens with a middle or high level of education have connected to internet in the last three months, only seven out of ten with a lower level have done so in the same period.

Internet access by education level.
Source: MWCcapital



Main reasons for lack of home internet by education level. Source: MWCcapital



Last time internet was used by education level. Source: MWCcapital

	High	Middle	Low
Today or yesterday	97%	89%	62%
In the last week	1%	4%	6%
Two to four weeks ago	0%	1%	2%
Never use internet	1%	3%	25%

Main social usage by education level. Source: MWCcapital

	High	middle	Low
Social uses			
Email	98%	89%	74%
Skype or similar	59%	44%	46%
Socail networks	77%	75%	70%
Upload contents onto webs or blogs	36%	27%	23%
Create a web or blog	14%	7%	6%
Read news online	93%	85%	71%

With regard to devices for internet use, education level has no influence on smartphone internet connection. However, the use of laptops and tablets increases at the same rate as the level of education. 71% of citizens with a high level use a laptop and 42% use a tablet, while the percentages drop to 22% and 24% respectively for those with a low level of education.

The higher the level of education, the greater is the social and communicative use of internet, especially email and news websites

Main administrative usage by education level. Source: MWCcapital

	High	Middle	Low
Administrative usage			
Information search on public administration webs	77%	60%	41%
Interaction with the public administration	54%	40%	21%
Online banking	84%	61%	31%
Health-related usage			
Make doctors' appointments	42%	34%	23%
Health-related information search	67%	59%	49%

There are considerable differences in internet usage according to a citizen's education level in Barcelona. Those with a high or middle education level do more activities related to communication and personal information: 98% make use of email, compared to only 74% with a low education level. 94% of those with a high level read news online, while the figure is 71% for those with a low level. There are no significant differences in usage such as video calls (about 50% at all levels of education) or social networks (between 71% and 77%).

A citizen's interaction with the public administration online is determined by education level. The higher the level, the more people engage in this activity

Number of internet passwords used by education level. Source: MWCcapital

	High	Middle	Low
One, the same one for everything	16%	28%	42%
Some	63%	48%	33%
Different one for each thing	20%	21%	18%

There is a correlation between citizens' level of education and their degree of interaction with the public administration or use of online banking. 85% of those with a high level of education use internet banking, whereas only one in three with a low level does so. Public administration website searches show a similar pattern: nearly eight out of ten citizens with a high education level do this activity, compared to four out of ten with a lower level.

Regarding online transactions (buying, selling, renting) a similar trend emerges: the higher the education level, the more frequently these activities are done. The most significant difference is in online shopping: seven out of ten people with a high education level shop online, against one in two with a middle level and one in three with a lower level.

Education level does not appear to impact on searching for work online (between 25% and 31% in all cases), but there are differences in the use of online training courses.

Those with a high level of education use internet more frequently for training purposes: 20% of these do online courses, while the figure for those with a lower education level is only 5%.

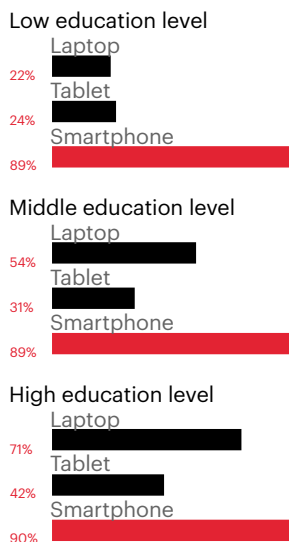
Education level also has an influence on citizens' participation in social, association and neighbourhood movements. 32% of those with a high level participate in these activities, compared to 14% with a low level. On the other hand, education is not a determining factor for sharing goods and services online: about 10% of citizens at all levels of education.

The higher the level of education, the better citizens manage internet security

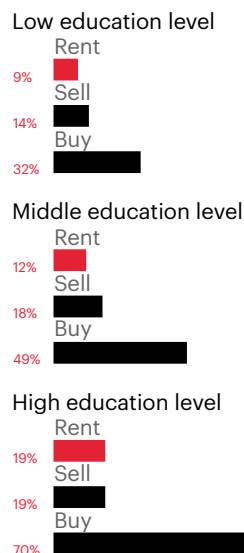
A citizen's education level is also related to their behavior regarding internet security. 42% of those with a low education level always use the same password and almost seven out of ten never change it. In contrast, only 16% of people with a high level of education always use the same password and 45% never change it.

Following the same pattern, the higher the education level, the more precautions people take when sharing contents on internet. These citizens restrict access to uploaded information and share less online content openly.

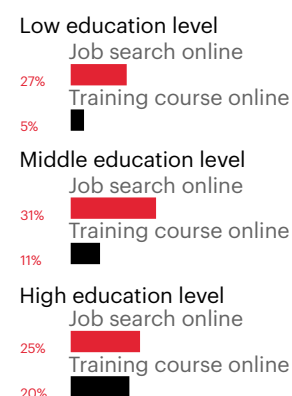
Main connection devices by education level. Source: MWCcapital



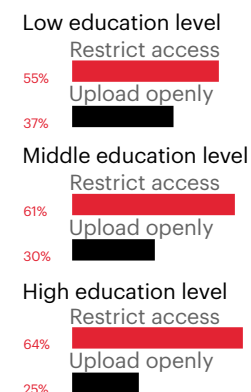
Transactional usage by education level. Source: MWCcapital



Training and work-related usage by education level. Source: MWCcapital



Training and work-related usage by education level. Source: MWCcapital



Foreign residents in Barcelona have less home internet and use alternative ways to connect.

Foreigners living in Barcelona have less home and smartphone internet access than Spanish citizens.

Economic reasons are the main barrier to home internet access for foreigners, while for Spanish citizens it is the perceived lack of a need.

Foreigners use video calls more frequently and participate more in social networks than Spanish citizens, while the latter engage in more transactional, administrative, health-related and collaborative economy activities.

NATIONALITY

Foreigners connect to internet less from the home or smartphone, but look for alternative ways

Foreigners in Barcelona have fewer own internet connections than Spanish citizens, both home (76% of foreigners compared to 86% of Spanish) and smartphone (72% of foreigners and 78% of Spanish).

There are also significant differences regarding the reasons for not having home internet connection: for 37% of foreigners the main barrier is economic, while the figure is 17% for Spanish citizens.

30% of foreigners without home internet connect via other access points, while this is the case for only 22% of Spanish citizens. Nearly half of Spanish citizens with no home connection say it is because they do not use internet, whereas this is the reason for 14% of foreign residents.

The main reason given by Spanish citizens for not having home internet connection is the lack of a perceived need, while foreign residents cite economic reasons

Spanish citizens use internet on tablets and laptops more than foreigners, but foreigners connect more via smartphone.

As for the frequency of use, nearly all foreign residents have connected to internet in the last three months (94%), compared to 90% of Spanish citizens.

Foreigners use video calls and social networks more frequently, Spanish citizens lead in transactional, administrative, health-related and collaborative economy activities

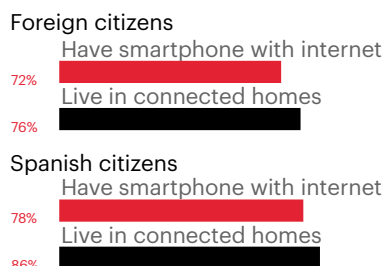
Foreigners use internet a lot more for video calls than Spanish citizens, as well as social networks and job search websites. On the other hand, Spanish citizens use internet more than foreigners for online banking, making doctors' appointments or participating in social movements.

There are no differences between Spanish citizens and foreigners regarding Internet security

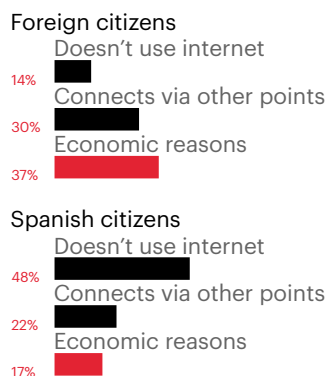
Nationality does not appear to have a significant impact on internet security. Nearly half of foreign residents and just over half of Spanish citizens use more than one password. Similarly, in both cases the percentage of people who never change their password is similar: 49% of foreigners, 56% of Spanish.

With regard to internet security, the behavior pattern of both Spanish and foreign citizens is very similar when uploading information or putting restrictions on access to shared contents.

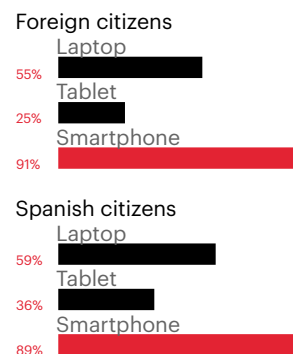
Internet access by nationality.
Source: MWCcapital



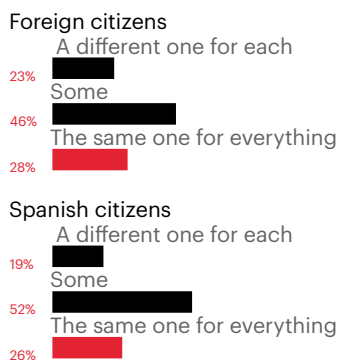
Reasons for not having home internet connection. Source: MWCcapital



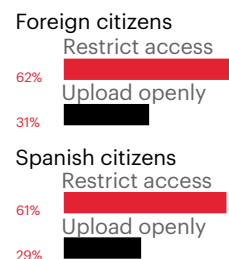
Main connection devices by nationality. Source: MWCcapital



Number of internet passwords used by nationality. Source: MWCcapital



Behaviour when uploading onto social networks by nationality. Source: MWCcapital



Main social usage by nationality. Source: MWCcapital

	Spanish	Foreign
Social uses		
Email	98%	87%
Skype or similar	44%	74%
Social networks	72%	84%
Upload contents onto webs or blogs	30%	30%
Create a web or blog	9%	11%
Read news online	86%	84%

Even though internet penetration in Barcelona is very high, certain districts still show notable differences in access and usage.

Between the district with the highest percentage of home internet connection (Les Corts) and the district with the lowest (Torre Baró) there is a difference of 34 percentage points. The district with the largest number of citizens with smartphone internet connection (Dreta de l'Eixample) is 39 percentage points ahead of the district with the lowest number (Torre Baró).

There are districts that show considerable differences in internet usage. The Gothic Quarter stands out for social internet use, the Vila Olímpica for transactional and administrative use, the Raval for job search and the Vila de Gràcia for administrative and collaborative economy use.

THE GREATER DISTRICTS

There are significant differences between greater districts with regard to home and smartphone internet access

The greater districts of Barcelona (see Annex. Table 3. Details of greater districts and districts of Barcelona) show considerable differences in internet connection. Nearly all the residents in Les Corts (96%) and Sant Gervasi-Galvany (95%) have home internet. In contrast, seven out of ten residents have home connection in Canyelles and the Barceloneta, and six out of ten in Torre Baró.

There are also notable differences regarding the type of connection. While the Raval (70%), Fort Pienc (58%) and Les Corts (55%) lead in ADSL/VDSL/SDSSL home connections, the districts of Sant Martí (72%), Besòs (64%) and Vall d'Hebron (64%) are ahead in optic fibre access.

The average figure for smartphone internet connection in Barcelona (78%) is exceeded by the districts of Dreta de l'Eixample and Sant Gervasi-Galvany (both with 94%) and the Vila Olímpica (93%).

In contrast, the districts with less smartphone internet connection are Sant Antoni (62%), Raval (61%) and Torre Baró (55%).

Differences also emerge concerning internet connection in the last three months. El Carmel (81%), Marina (83%) and the Barceloneta (84%), are the districts with the fewest citizens who have connected to internet in this period.

In contrast, nearly all the residents of Dreta de l'Eixample (99%), l'Antiga Esquerra de l'Eixample (98%) and Sant Gervasi-Bonanova (97%) have used internet in the same period.

The smartphone is the most frequently used device to connect to internet in all districts, although there are differences of between 30% and 40% between those districts with the highest percentage and those with the lowest.

There are also significant differences in the use of tablets and laptops. The districts where tablets are used the most frequently are Sant Gervasi-Galvany (65%), Besòs (62%) and Dreta de l'Eixample (49%).

The districts where this device is used the least frequently are Vilapicina (20%), Sagrera (18%) and Raval (18%).

As to laptops, it is interesting to note that neighbourhoods with a sociodemographic and socioeconomic composition as different as Pedralbes and Raval use this device in equal proportion (both with 72%).

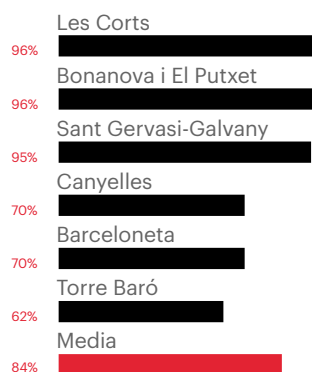
The districts of Sant Gervasi-Galvany (83%) and Sant Gervasi-Bonanova (74%) are where laptops are most frequently used to connect to internet. In contrast, Canyelles (39%), Sant Martí (38%) and Vall d'Hebron (35%) are the districts where this device is used less frequently.

Certain types of internet usage have become polarized between districts

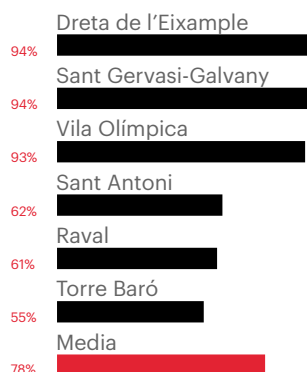
Social internet use shows significant differences between districts, especially social networks, video calls and news websites. The districts of Gòtic (86%), Poble Sec (83%) and Carmel (83%) are those where social networks have been used the most in the last three months. In contrast to this, only 43% of the residents of Les Corts have used social networks in this period.

With regard to video calls, the districts where citizens use this service the most frequently are Sant Pere (74%), Gòtic (74%) and Sarrià (68%). The districts with the least frequent use are Vall d'Hebron (37%), Trinitat Vella (35%) and Guineueta (32%).

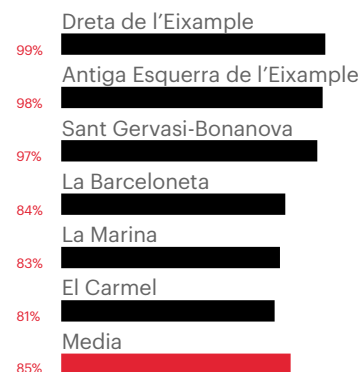
Population with home internet by district.
Source: MWCcapital



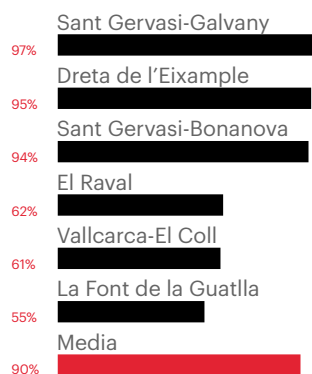
Citizens with smartphone internet by district. Source: MWCcapital



Connection to internet in last three months by district. Source: MWCcapital



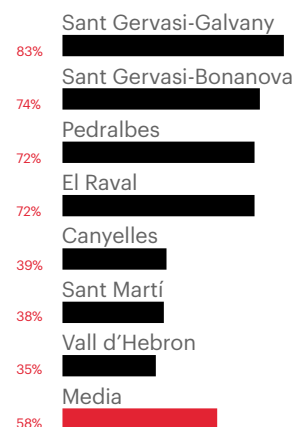
Smartphone usage by district.
Source: MWCcapital



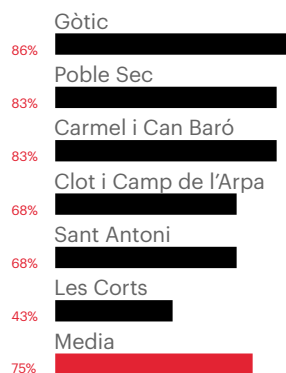
Tablet usage by district. Source: MWCcapital



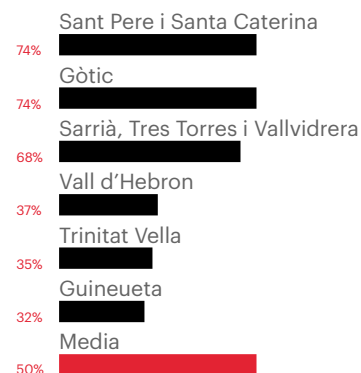
Laptop usage by district.
Source: MWCcapital



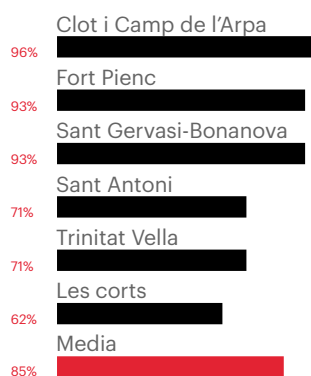
Social network usage by district.
Source: MWCcapital



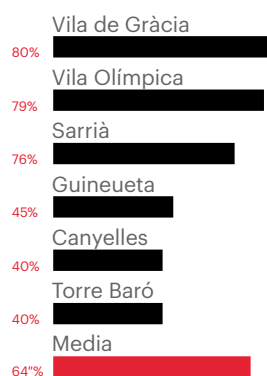
Video call usage by district.
Source: MWCcapital



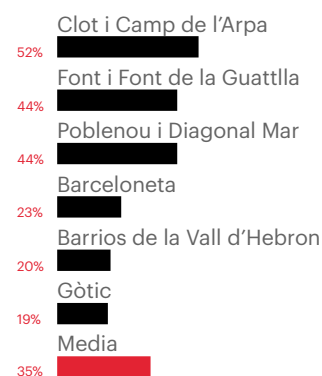
Read news online by district.
Source: MWCcapital



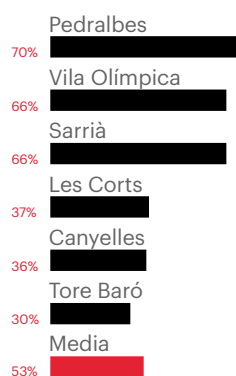
Bank online by district. Source: MWCcapital



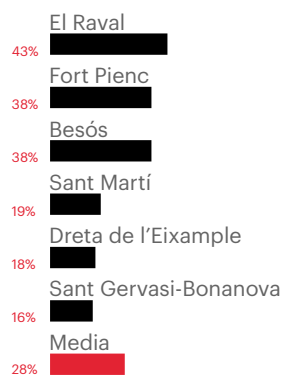
Make doctor's appointment by district.
Source: MWCcapital



Shop online by district. Source: MWCcapital



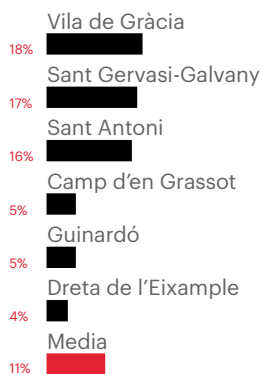
Job search online by district.
Source: MWCcapital



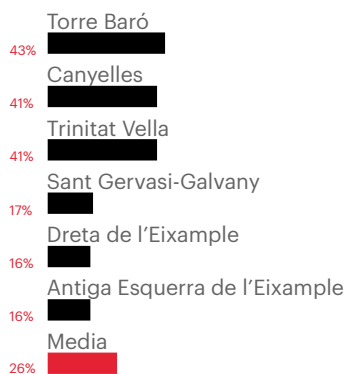
Participation in social, association and neighbourhood movements by district.
Source: MWCcapital



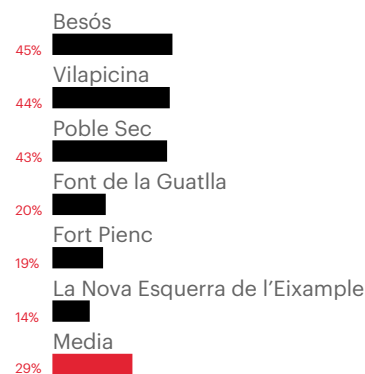
Share goods and services without remuneration by district.
Source: MWCcapital



Password usage by district.
Source: MWCcapital



Upload contents openly onto social networks by district. Source: MWCcapital



News websites are a preferred way to get information in Clot i Camp de l'Arpa (96%), Fort Pienc (93%) and Sant Gervasi-Bonanova (93%). On the other hand, Sant Antoni (71%), Trinitat Vella (71%) and Les Corts (62%) are the districts where citizens use this service less frequently.

There are up to 40 percentage points of difference between districts with regard to internet banking. The districts of Vila de Gràcia (80%), Vila Olímpica (79%) and Sarrià are those where citizens most frequently use this service, while Guineueta (45%), Canyelles (40%) and Torre Baró (40%) are the neighbourhoods with the lowest rate of use.

Health-related use also generates differences between districts. There are 30 percentage points between the first and last district with regard to making doctors' appointments. El Clot i Camp de l'Arpa (53%), Font de la Guatlla (44%) and Poblenou (44%) are the districts where citizens use this service most frequently, while Barceloneta (23%), Vall de l'Hebron (20%) and Gòtic (19%) are the areas where people do so with less frequency.

Online transactions (buying, selling and renting) show considerable differences between districts, especially online shopping. Pedralbes (70.2%), Vila Olímpica (66%) and Sarrià (66%) are the districts with the highest figures for this service in the last three months. In contrast, less than 40% of the residents of Les Corts (37%), Canyelles (36%) and Torre Baró (30%) have shopped on internet in the same period.

With regard to online training courses and job search, there are also noticeable differences. The district of Raval stands out, with 43% of its citizens searching for work on internet, followed by Fort Pienc and Besòs (both with 38%). On the other hand, Sant Martí (19%), Dreta de l'Eixample (18%) and Sant Gervasi-Bonanova (16%) are the neighbourhoods where fewer people do this activity.

There is a considerable difference between districts when participating in social or neighbourhood movements. The district of Vila de Gràcia is where most citizens have participated in social, association and neighbourhood movements in the last three months (43%), followed by Horta (38%) and Vallcarca (35%). The districts of Torre Baró and Sant Martí (both with 17%) and Guineueta (16%) have shown the lowest participation in these activities.

Sharing goods and services without remuneration is most frequent among the citizens of Vila de Gràcia (18%), followed by Sant Gervasi- Galvany(17%) and Sant Antoni (16%). The districts of Camp d'en Grassot, Gràcia Nova and Guinardó (5%) and Dreta de l'Eixample (4%) are where this service is less commonly used.

Online security also depends on the district

Differences between districts are also reflected in the use of internet security. The citizens of Torre Baró (43%), Canyelles (41%) and Trinitat Vella (41%) are those who most frequently use only one password for all online services.

In contrast, Sant Gervasi-Galvany (17%), Dreta de l'Eixample and Antiga Esquerra de l'Eixample (both with 16%) are where the fewest people use only one password.

Finally, there are also marked differences between districts when uploading contents onto internet. The districts of Besòs (45%), Vilapicina (44%) and Poble Sec (43%) are where most citizens openly share contents online, while Font de la Guatlla (20%), Fort Pienc (19%) and La Nova Esquerra de l'Eixample (14%) are the neighbourhoods where fewest people do this.

VARIABLES SUMMARY DIAGRAMS

Gender

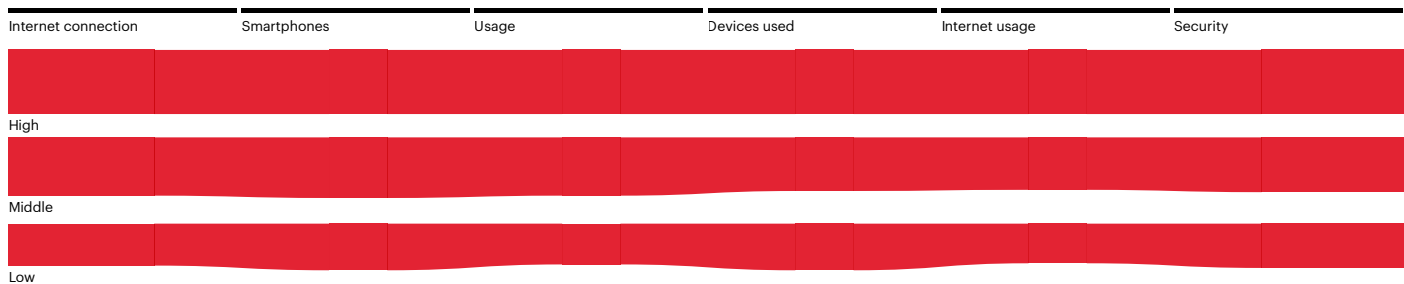
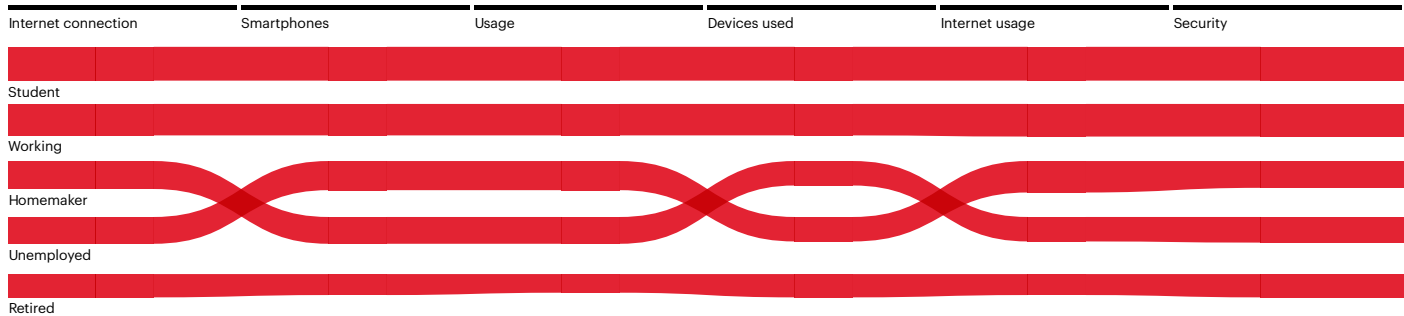
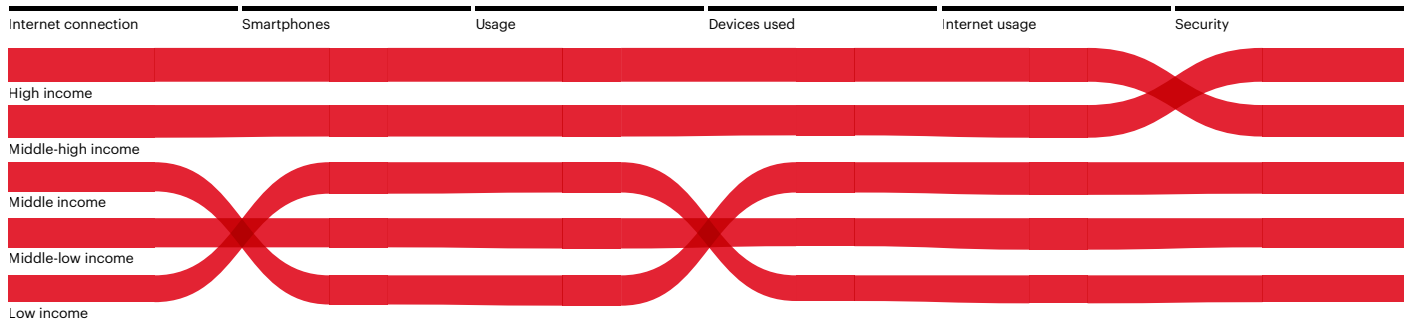
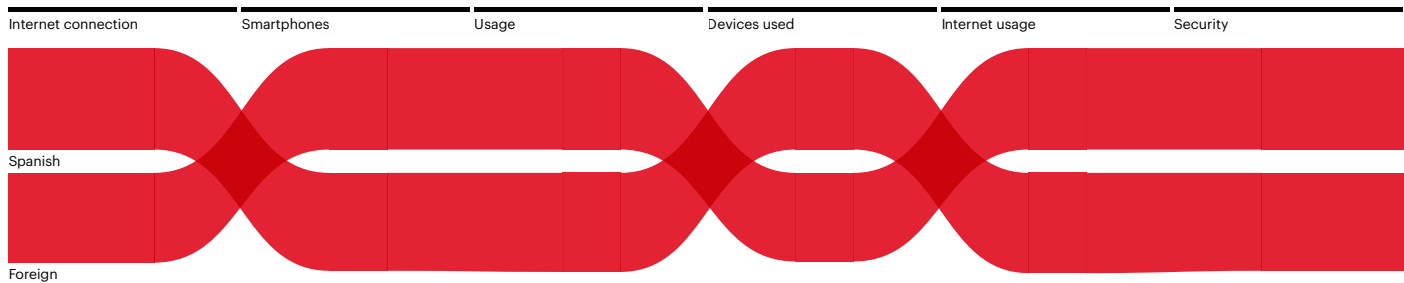
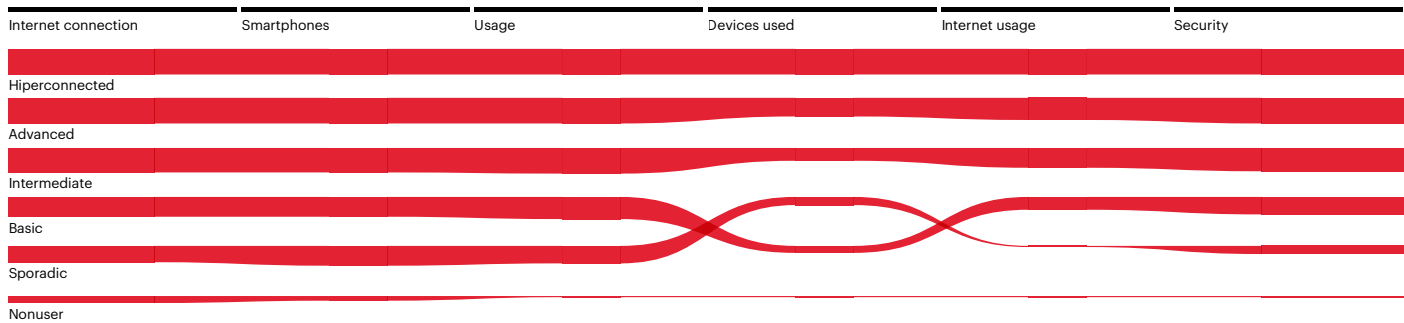
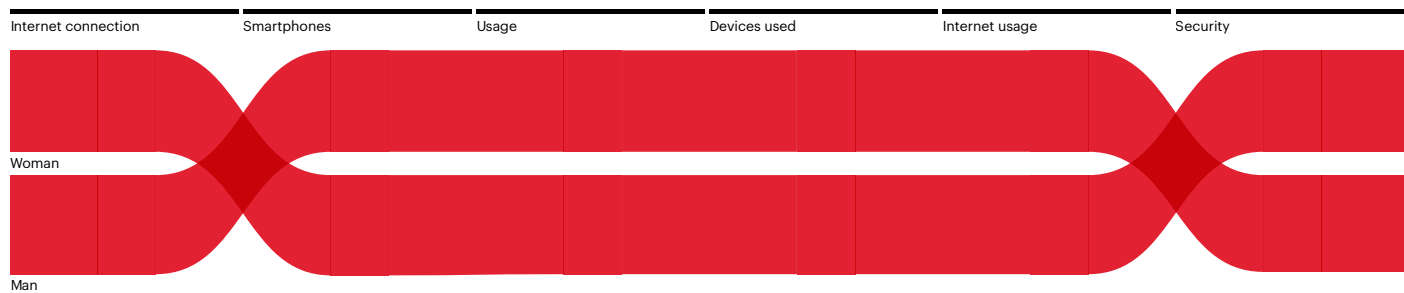
User profile

Nationality

Income

Occupation

Education level



The third section of results is structured as follows:

- Analysis of the distribution of digital profiles according to district income.
- Comparison of internet access, use and security between district income levels.
- Evaluation of the influence of gender, age, education level and occupation in the districts according to their income level.

Citizens' digital skills increase at the same rate as the income level of the district they live in.

District income level is a determining factor for defining digital profiles in the city of Barcelona. The higher the level, the better digital skills its citizens have.

Almost one in two residents of high income districts has an advanced profile. In the other districts the main profile is intermediate: about one in three residents in these districts show this profile.

The lowest income districts are those with the least digitally skilled profiles: basic, sporadic and those who never use internet.

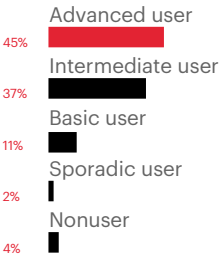
DIGITAL PROFILES ACCORDING TO DISTRICT INCOME

Digital profiles vary depending on district income.

The advanced profile is concentrated in high and middle-high income districts

As the income level of a district rises, the proportion of advanced digital profiles rises as well. It is the major profile in high income districts, where almost one in two citizens is an advanced user (45%). The intermediate profile follows (37%), next basic (11%) and finally sporadic (2%). Only 4% of the residents in these districts do not use internet.

Digital profile types in high income districts. Source: MWCapital



The advanced profile in high income districts corresponds to almost half the men (46%) and women (45%).

Over half the citizens between 16 and 44 years old and also between 55 and 64 years old has an advanced profile. This high proportion of advanced users in all age groups drops sharply among those between 65 and 74 years old, who have an intermediate (35%) or basic (30%) profile.

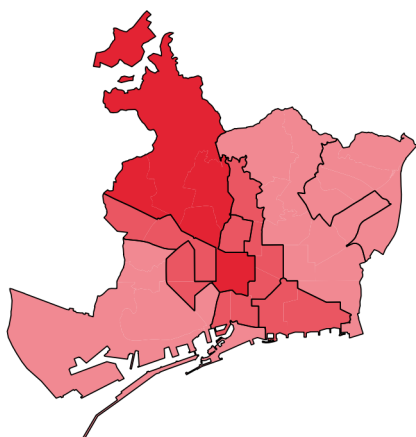
The percentage of advanced users in high income districts is the same for Spanish and foreign citizens (45% in both cases).

More than one in two people with a high education level in high income districts has an advanced profile, while 36% with a middle education level and 26% with a low level show this profile.

Finally, a little over half of working citizens (53%) and students (51%) are advanced users, compared to 35% of homemakers, 31% of unemployed citizens and 23% of retired citizens.

Distribution of advanced profile by district income

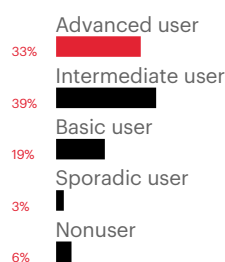
- 0 to 10%
- 10% to 20%
- 20% to 30%
- 30% to 40%
- More than 40%



The higher the district income, the higher the number of advanced digital profiles.

In middle-high income districts, one in three citizens has an advanced profile (the second type of district with most users of this kind).

Digital profile types in middle-high income districts. Source: MWCcapital



Unlike the advanced profile in high income districts, in middle-high income districts there are more men (36%) than women (30%) with this profile.

Regarding age, almost one in two citizens between 35 and 44 years old is an advanced user, followed by 39% of those between 16 and 24 years old and 34% of those between 45 and 54 years old.

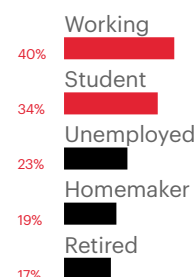
Among Spanish citizens, over a third (34%) are advanced users, compared to 26% of foreign citizens.

Almost half the citizens with a high education level in middle-high income districts (46%) are advanced users, 26% of those with a middle level and 12% of those with a low level.

Finally, occupation also explains profile differences. 40% of working citizens and 34% of students living in middle-high income districts are advanced users, 23% of unemployed, 19% of homemakers and 17% of retired people.

In high income districts almost one in two citizens has an advanced profile. In middle-high income districts the figure is one in three.

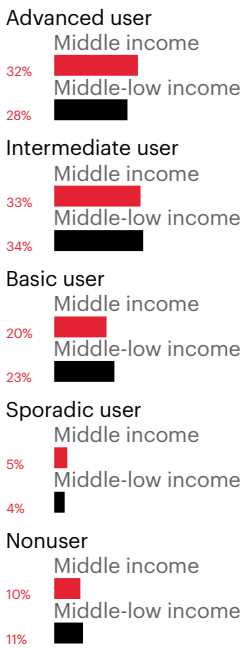
Presence of advanced profile by occupation in middle-high income districts



The intermediate digital profile is the main one in middle-low and low income districts.

The intermediate digital profile is the main one in middle-high, middle, middle-low and low income districts (30% to 40% in all districts). Below we will analyze the profile of this kind of user in the districts where the percentage is very similar (one in three citizens): the middle and middle-low income districts.

Digital profile types in high income districts
Source: MWCcapital



There are no significant gender differences between intermediate users in middle income districts: 33% are men and 32% are women.

Almost one in two people between 25 and 34 years old (46%) is an intermediate user, followed by 38% of those between 16 and 24 years old and 34% of those between 35 to 44 years old.

With regard to nationality, 38% of foreign citizens in middle income districts are intermediate users compared to 31% of Spanish citizens.

38% of Barcelona's citizens with a high education level in these districts are intermediate users, 33% of those with a middle level and 23% of those with a low level.

Finally, 43% of students, 41% of unemployed, 35% of working citizens, 36% of homemakers and 16% of retired people in these districts have an intermediate profile.

Almost one in two young people in middle-low income districts (45%) is an intermediate user compared to 40% of those between 35 and 44 years old.

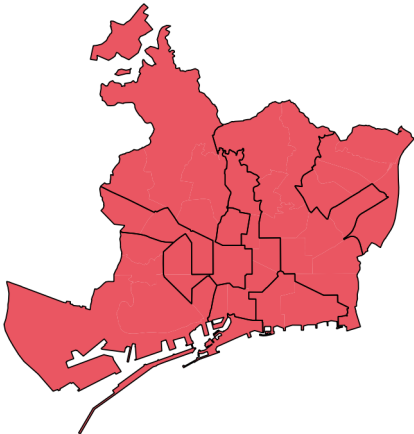
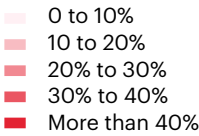
Regarding nationality, 35% of Spanish citizens and 31% of foreign citizens in these districts have an intermediate profile.

Four out of ten people with a middle (39%) and high (38%) education level living in middle-low income districts are intermediate users, against 23% of those with a lower level of education.

Finally, 42% of the unemployed in these districts are intermediate users, the same percentage as students, followed by working citizens (36%), homemakers (33%) and retired citizens (19%).

The intermediate digital profile is predominant in middle-high, middle, middle-low and low income districts.

Distribution of intermediate profile by district income level



The basic, sporadic and nonuser digital profiles are found in low income districts

Low income districts show a higher proportion of basic, (26%), sporadic (7%) and nonuser (12%) digital profiles.

The basic user in a low income district is a little over one in four men (26%) and women (27%).

31% of those between 55 and 64 years old and between 25 and 34 years old show this profile, followed by 29% of those between 45 and 54 years old.

39% of foreign citizens in low income districts are basic users, a higher percentage than Spanish citizens.

One in three citizens with a low (30%) and middle (29%) education level are basic users, while the figure is only 13% for those with a high level.

In low income districts, the basic profile is predominant among homemakers (38%) and the unemployed (36%), Followed by working citizens (27%), retired citizens (18%) and students (17%).

Low income districts are those with a higher percentage of basic, sporadic and nonusers.

Sporadic users are in the minority, but it is in low income districts where they have a greater presence. In these districts 8% of women and 6% of men have this profile.

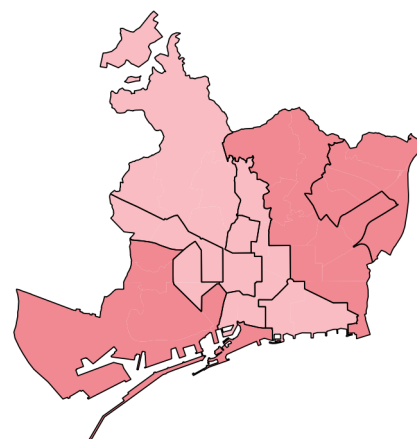
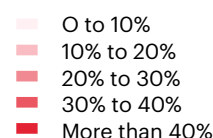
It is a profile most common among senior citizens: 17% of those between 55 and 64 years old and 10% between 65 and 74 years old are sporadic users. In contrast, it is almost nonexistent among those from 16 to 24, and 25 to 34 years old (1% and 2% respectively).

There are no notable differences regarding nationality: 8% of foreign and 7% of Spanish citizens are sporadic users.

There is an evident correlation between education level and the sporadic user profile. 12% of those with a low education level have a sporadic profile, 5% of those with a middle level and 2% with a high level.

Finally, it is among homemakers (14%) and retired citizens (10%) where the sporadic user profile is mainly seen, followed by the unemployed (8%) and working citizens (6%).

Distribution of basic profile by district income level



Basic, sporadic and nonuser profiles by district income level. Source: MWCcapital

	low	middle-low	middle	middle-high	high
Basic user	26%	23%	20%	19%	11%
Sporadic user	7%	4%	5%	3%	2%
Nonuser	12%	11%	10%	6%	4%

With regard to the nonuser profile, there is a similar percentage of both men and women in low income districts (12%).

There is however one very significant figure regarding age: 53% of citizens between 65 and 74 years old are nonusers, 14% of those between 55 and 64 years old and 9% between 45 and 54 years old. Under 44 years old this profile is practically nonexistent.

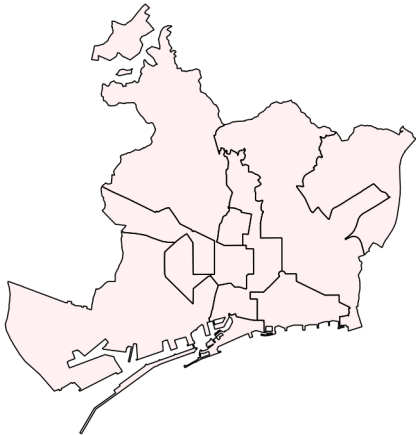
13% of Spanish and 8% of foreign citizens are nonusers.

27% of people with a low education level in low income districts show this profile, compared to 4% in middle income districts. At a high district income level this profile is nonexistent.

Finally, with regard to occupation, 44% of retired citizens, 26% of homemakers, 8% of the unemployed and 4% of working citizens are nonusers. This profile is nonexistent among students.

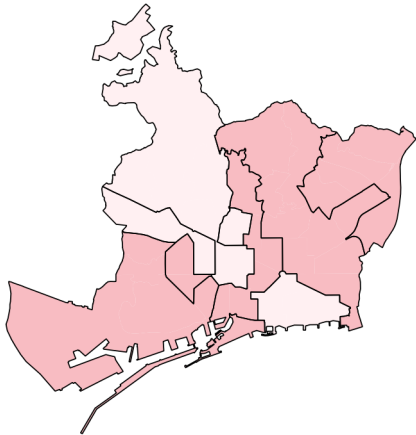
Distribution of sporadic profile by district income level

- 0 to 10%
- 10% to 20%
- 20% to 30%
- 30% to 40%
- More than 40%



Distribution of nonuser profile by district income levelbarrio

- 0 to 10%
- 10% to 20%
- 20% to 30%
- 30% to 40%
- More than 40%



The income level of a district explains the differences in internet connection, use and security.

The higher the district income, the higher the level of internet connection, especially in the home. Smartphone connection does not depend on this factor.

High income districts lead in transactional and administrative internet use; middle and middle-high income districts in training and collaborative economy activities; and middle-low and low income districts are where internet is most frequently used job hunting and making doctors' appointments.

The higher the district income, the better its citizens manage Internet security and privacy.

INTERNET ACCESS AND USAGE
ACCORDING TO DISTRICT INCOME

The higher the district income level, the higher the level of internet connection, especially from the home. Smartphone connection does not depend on district income

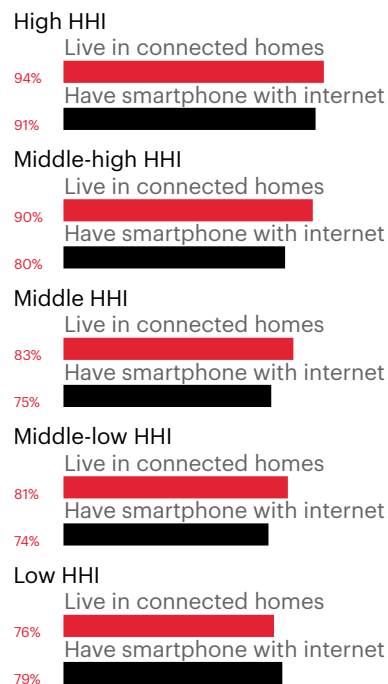
Although, in general, levels of internet access are high in Barcelona, there are differences in home internet connection of almost 20 percentage points between high income and low income districts. Home internet connection is directly related to district income. On the other hand, levels of smartphone internet connection are similar (between 75% and 80%) in all districts regardless of income level, except in higher income areas where penetration is over 90%.

Among those citizens with no home internet connection, the main reasons are economic in low (26%) and middle-low (25%) income districts, while in middle (26%) and middle-high (29%) income districts the main reason is because people connect to internet by alternative means.

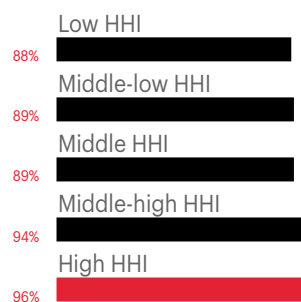
The frequency of internet use increases at the same rate as district income. In low income districts 88% of the citizens have used internet in the last three months, 89% in middle-low and middle, 94% in middle-high and 96% in high income areas.

There are also differences in the type of devices used to connect to internet. More tablets and laptops are used in districts with high income: 50% of the citizens use a tablet against 20% in lower income areas; 70% of those in high income districts use a laptop while the figure is 45% in the lower income areas.

Internet access by district income level.
Source: MWCcapital



Internet connection in last three months by district income level. Source: MWCcapital



High income districts lead in administrative and transactional uses of internet; middle and middle-high districts in training and collaborative economy activities; and the citizens of middle-low and low income areas use internet more for job hunting and making doctors' appointments

The differences in social internet use between districts with different income levels can be seen mainly in email, video calls and news websites. These activities are a lot more frequent in high income districts compared to lower income areas.

However, there is not a great difference in the use of social networks according to district income level.

Health-related internet use is most frequent in low and middle-low income districts. It is in these areas where people use internet most often to make doctors' appointments.

Searching for health-related information online is a generally widespread practice, regardless of income level.

With regard to internet banking and interaction with the public administration, the higher the income level of a district, the more people use these services, especially internet banking.

As to transactional uses, while more citizens in high income districts buy (63%) and rent (19%) on internet than those in low income districts (45% and 10% respectively), there are more residents of middle income districts who sell on Internet (20%).

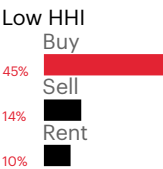
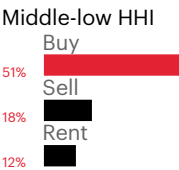
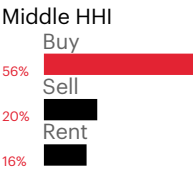
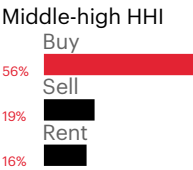
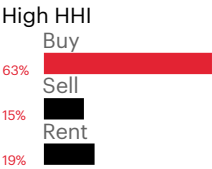
Social usage by district income level. Source: MWCcapital

	Low	Middle-low	Middle	Middle-high	High
Skype or similar	38%	49%	53%	53%	58%
Social networks	75%	75%	76%	70%	75%
Read news online	79%	86%	86%	84%	92%
Email	82%	90%	91%	89%	96%

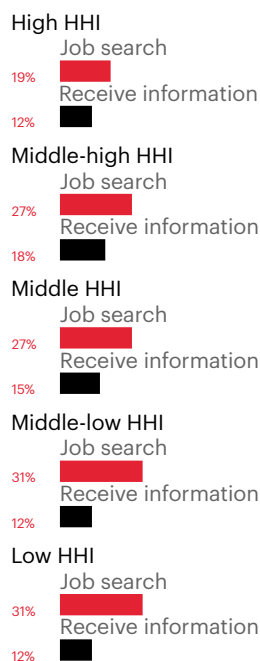
Administrative and health-related usage by district income level. Source: MWCcapital

	Low	Middle-low	Middle	Middle-high	High
Make doctors' appointments	36%	38%	33%	35%	32%
Interaction with the public administration	38%	42%	41%	43%	44%
Online banking	49%	63%	63%	70%	74%
Information search on public admin webs	57%	63%	64%	64%	68%

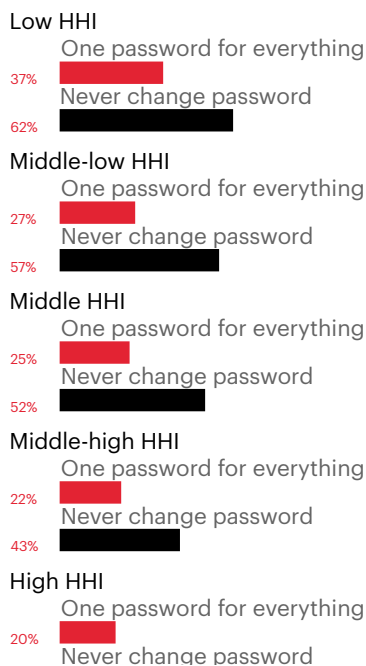
Transactional usage by district income level. Source: MWCcapital



Training and work-related usage by district income level. Source: MWCcapital



Internet password usage by district income level. Source: MWCcapital



Although it is in high income districts where internet is most frequently used to buy and rent, it is in the middle income districts where internet is most used to sell goods

Online training courses are widely used in all districts but it is in the middle and middle-high income areas where the use of this service is most frequent. On the other hand, job hunting on internet increases as the income level falls.

Finally, regarding collaborative economy internet use, there are no significant differences between districts with different income levels for the activity of sharing goods and services without remuneration. On the other hand, the participation in social, association and neighbourhood movements increases at the same rate as the district income level.

Citizens in high income districts manage internet security better

High and low income districts show differences in the use of internet security. Citizens in low income districts most often use the same password for all Internet services and rarely change it. As the district income rises this behavior tends to decrease.

When uploading information onto internet there are no noticeable differences between citizens according to district income: about 60% restrict access to shared contents regardless of the income level of the district they live in.

Collaborative economy usage by district income level. Source: MWCcapital

	Low	Middle-low	Middle	Middle-high	High
Share goods without remuneration	10%	10%	10%	12%	9%
Participate in social, association and neighbourhood movements	19%	26%	26%	29%	25%

The digital divide is most evident in low income districts if the citizen is between 65 and 74 years old, with a low education level and is a homemaker or unemployed.

The different levels of income in Barcelona districts magnify or reduce the digital divide related to age, gender, education and occupation.

The gender digital divide emerges in low income districts, where women use internet less than men.

The age digital divide is greater in internet access and use of citizens between 65 and 74 years old living in low income districts.

Education level has a considerable influence on internet access and use in low, middle-low, middle and middle-high income districts, but loses relevance in high income neighbourhoods.

Finally, occupation also conditions internet access in low income districts. There are significant differences in internet use of both homemakers and the unemployed in high and low income districts.

DIFFERENCES IN AGE, GENDER, EDUCATION LEVEL AND OCCUPATION IN THE DISTRICTS ACCORDING TO INCOME LEVEL

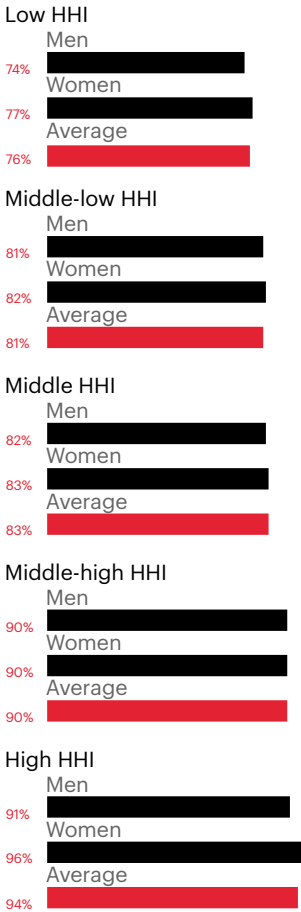
GENDER

In general terms, there are no significant gender differences in internet connection between the citizens of Barcelona. An analysis based on district income shows that the higher the income, the more home or smartphone connections people have, but in a similar proportion for both men and women, regardless of district income.

However there are significant differences in internet use over the last three months. Men in low income districts do certain activities on internet more than women, compared to other districts. Activities such as email, video calls, reading the news, information search on public administration webs or online renting are mainly done by men.

The gender digital divide is found in low income districts, where men carry out more activities than women.

Home internet connection by district income level. Source: MWCcapital



Internet usage by men and women in low income districts. Source: MWCcapital

	Men	Women
Use email	87%	78%
Use video calls	43%	34%
Read news	84%	74%
Search for information on public admin webs	62%	53%
Rent online	15%	4%

AGE

Unlike gender, age is an important factor in internet access according to district income. In high income districts there is little difference in home Internet access between citizens in the 16 to 24 age group (100%) and those between 65 and 74 years old (88%).

The results in middle-high income districts are very similar. However, in low income districts, although nearly all of those between 16 and 24 years old have home internet connection (93%), only 60% of citizens in the 64 to 75 age group have this service.

So marked differences in home internet connection can be seen between senior citizens in high income districts and those in low income districts.

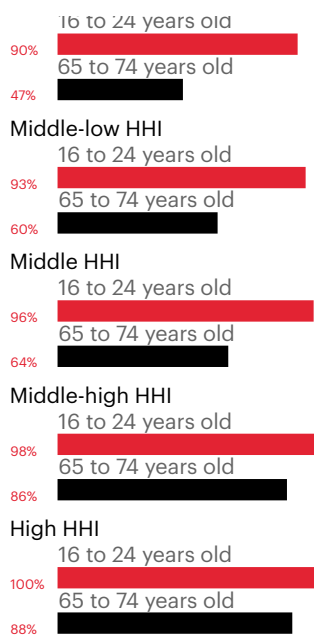
The same pattern emerges for smartphone internet connection.

Citizens between 65 and 74 years old living in high income districts are more connected to internet via smartphone (more than three out of four) than in districts with a lower income level.

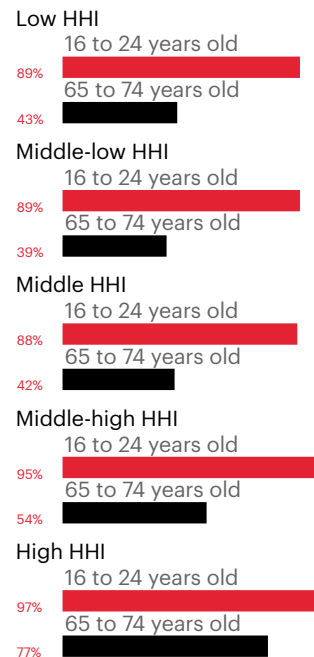
All younger citizens between 16 and 24 years old, regardless of district income, have connected to internet in the last three months. The disparities between districts with different income levels emerge among senior citizens. 87% of those between 65 and 74 years old living in high income districts have connected to internet in the last three months, a figure which almost doubles that of citizens of the same age in low income areas.

The lack of digital skills among citizens between 65 to 74 years old living in low income districts is also evident in certain types of internet use. 56% of them have made use of email in the last three months, in contrast to 90% of those with the same age in high income districts.

Home internet connection of different age groups by district income level.
Source: MWCcapital



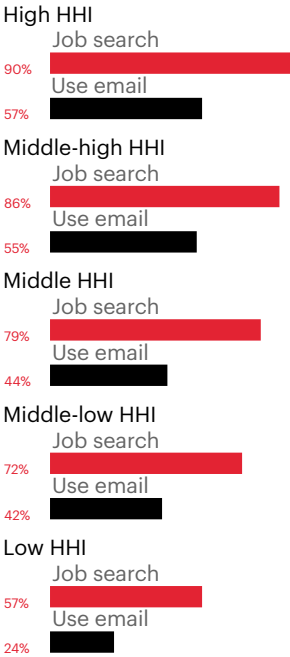
Smartphone internet connection of different age groups by district income level. Source: MWCcapital



A significant example of the influence of district income is internet banking. Only 24% of those citizens between 65 and 74 years old in low income districts have used this service in the last three months, compared to 57% of those in high income areas.

There is a considerable digital divide in the group of citizens between 65 and 74 years old according to district income.

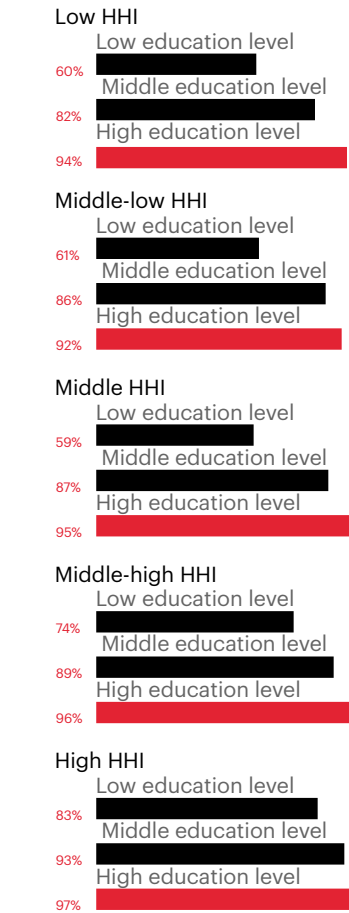
Internet usage differences among people 65 to 74 years old by district income level. Source: MWCcapital



EDUCATION LEVEL

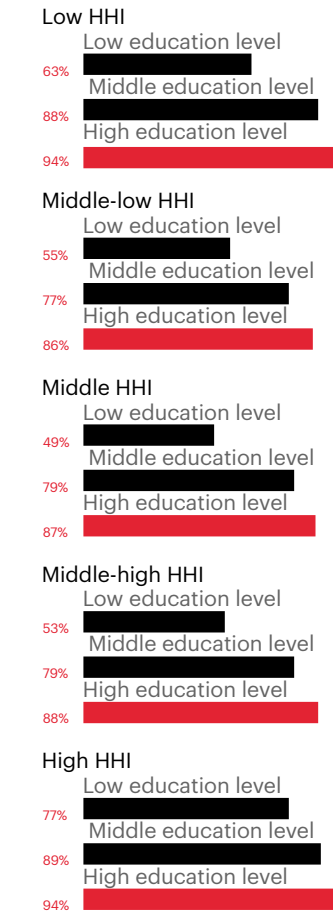
A high, middle or low level of education has an impact on internet connection in districts with different levels of income. However, education level is not a relevant factor in high income districts, where differences in this aspect do not influence internet connection. In these districts, 97% of those with a high education level have home internet connection, compared to 83% of those with a lower level. In contrast, in low income districts the figures are 94% and 60% respectively.

Home internet connection by education level and district income level. Source:MWCcapital



The lack of importance of education level in high income districts can also be seen in smartphone internet connection. 94% of the citizens in low income districts with a high education level have this service against 63% of those with a low level. In contrast, in high income districts 94% of citizens with a high education level have smartphone internet connection, compared to 77% of those with a low level.

Social network usage in last three months by education level and district income level. Source:MWCcapital



Education generates a marked digital divide in all districts, but is less relevant in high income areas.

With regard to internet usage in the last three months, it can be seen that a high education level results in citizens doing more activities on internet; but in high income districts education level has less influence on citizens' digital skills.

This fact is seen in three internet activities:

- Reading news. In low income districts 95% of citizens with a high education level have read news online, compared to 64% of those with a low level. This difference contrasts with the narrow gap that exists in high income districts: 93% of those with a high education level and 85% with a low level have read news on internet.

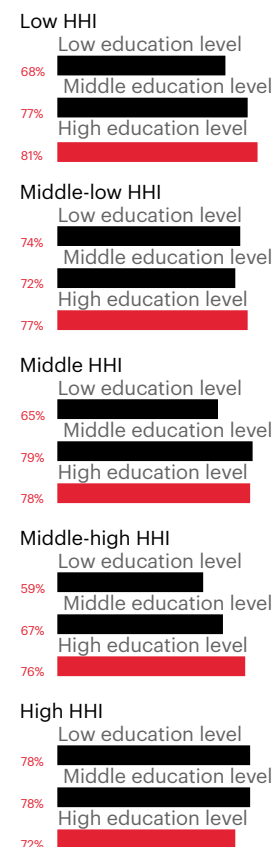
- Information search on public administration websites. In low income districts citizens with a high education level (80%) have searched for information on public administration webs, compared to 38% of those with a low level. However, in high income districts these differences are not as great (72% with a high education level and 50% with a low level have searched for information on these webs).

- Social networks. In low income districts citizens with a high education level (81%) are those who use social networks most frequently. On the other hand, in low income districts citizens with a low and middle education level (78% each) are those who engage most in this activity.

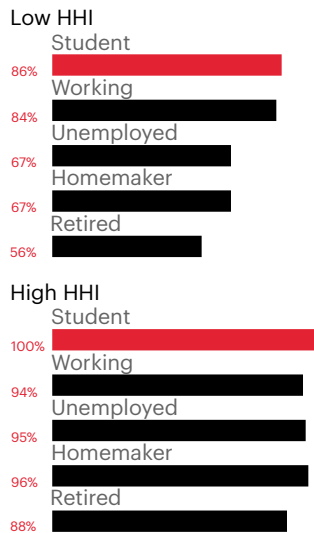
Education level in high income districts also has less influence on smartphone internet connection. 94% of citizens in these districts with a high education level have smartphone internet connection, compared to 77% of those with a low level.

However, 94% of citizens with a high education level in low income districts have this service, in contrast to 63% of those with a low level.

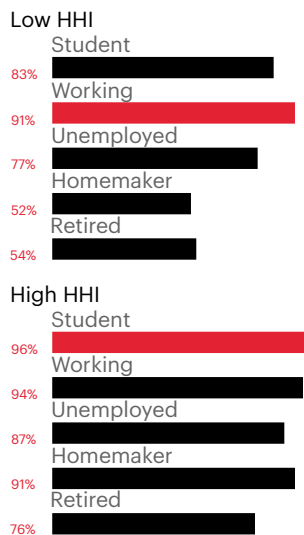
Social network usage in last three months by education level and district income level. Source: MWCcapital



Home internet connection by occupation and district income level. Source: zMWCcapital



Smartphone internet connection by occupation and district income level. Source: MWCcapital



OCCUPATION

Occupation determines internet access and use to a greater degree in low income districts.

There is little difference in home internet connection between working citizens (94%), the unemployed (94%), the retired (88%), students (100%) and homemakers (96%) in high income districts. In contrast, in low income districts the differences are greater. Students in these districts are the citizens with the highest rate of home internet connection (86%), compared to 56% of retired citizens.

The same pattern can be seen in smartphone internet connection. 91% of working citizens in low income districts have this service, a very similar percentage to working citizens in high income areas (93%). There is, however, a considerable difference between homemakers in high income districts and those in low income areas: 91% and 52% respectively have smartphone internet connection.

The occupation digital divide plays an important role in internet access in low income districts.

Occupation and district income result in differences in internet usage. Students, the profile with the most digital skills, show the fewest differences according to district income, but there are differences in internet usage that indicate the socioeconomic structure of the district. The greatest differences are in homemakers and the unemployed in high and low income districts.

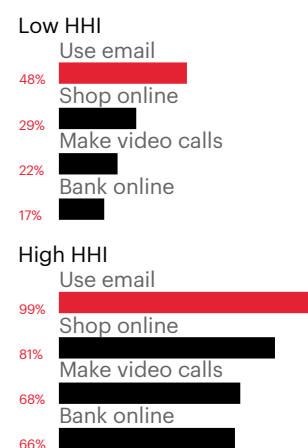
Students living in high income districts, due to the socioeconomic features of these areas, sell less (24%), search for work less (28%) and make fewer doctors' appointments (19%) on internet than students in low income districts. On the other hand, they are better informed (98%) than their counterparts in lower income districts (78%).

Homemakers in high income districts make use of email, internet banking, online shopping and video calls much more frequently than homemakers in low income districts. In the last three months 99% of homemakers in high income districts have used email, 81% have shopped online, 68% have made video calls and 66% have used internet banking. In contrast, in low income districts 48% of citizens with this occupation have used email, 29% have shopped online, 22% have made video calls and 17% have used internet banking.

District income generates differences in homemakers' internet usage.

There are also considerable differences between the unemployed depending on the income of the district they live in. The unemployed in high income districts search for information on public administration webs (84%), look for health-related information (75%) and upload contents onto webs or blogs (34%) more frequently than their counterparts in lower income districts.

Internet usage by homemakers by district income level



Internet usage by students by district income level. Source :MWCcapital

	Low HHI	High HHI
Sell something	54%	24%
Job search	43%	28%
Make doctor's appointment	35%	19%
Read news	78%	98%

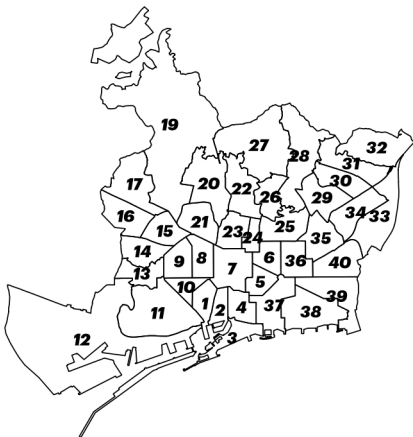
Internet usage by unemployed citizens by district income level. Source: MWCcapital

	Low HHI	High HHI
Search information on public admin webs	53%	84%
Search health-related information	61%	75%
Upload contents onto webs or blogs	12%	34%

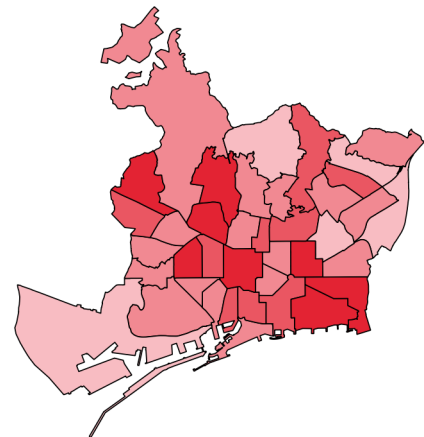
DIGITAL PROFILES BY GREATER DISTRICT AND INCOME

- 0 to 10%
- 10% to 20%
- 20 to 30%
- 30% to 40%
- More than 40%

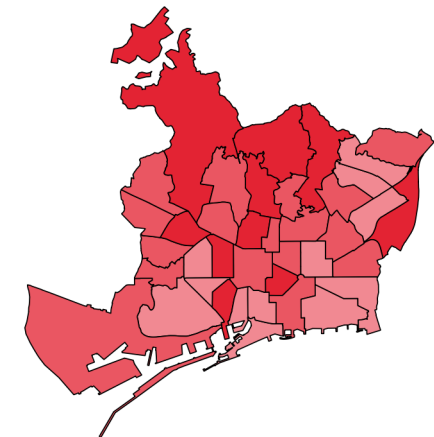
Greater District division



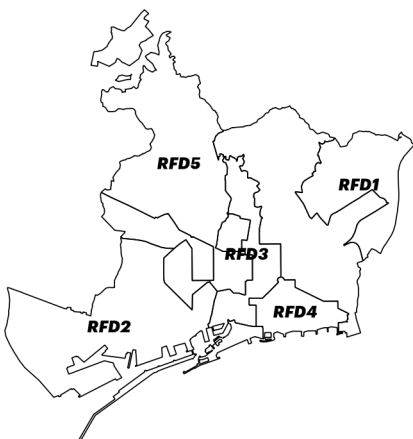
Advanced profile



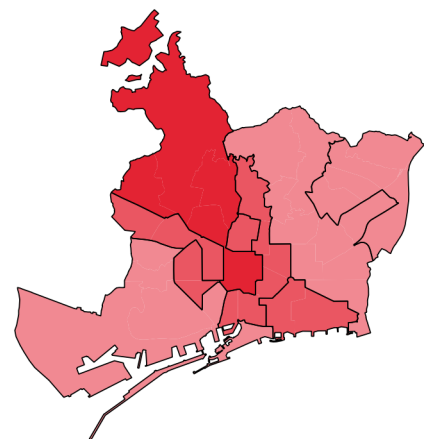
Intermediate profile



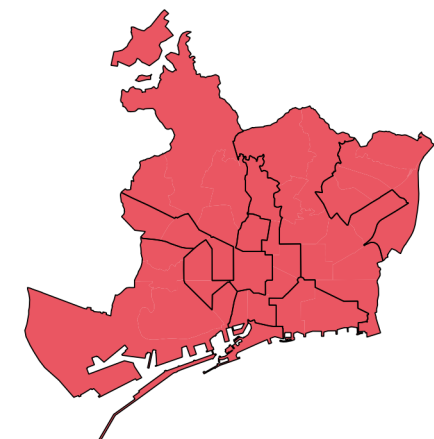
Income division



Advanced profile



Intermediate profile



Low income ditricts (HHI 1)

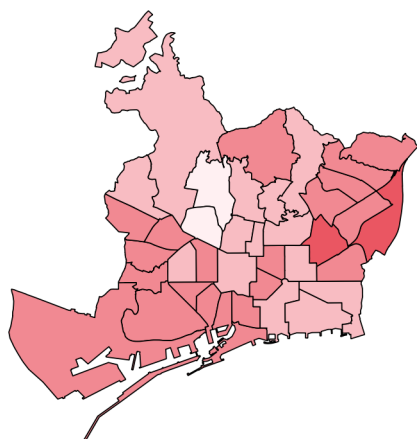
- 29 Vilapicina, Porta, el Turó de la Peira i Can Peguera
- 30 La Guineueta, Verdun i la Prosperitat
- 31 Canyelles, les Roquetes i la Trinitat Nova
- 32 Torre Baró, Ciutat Meridiana i Vallbona
- 33 La Trinitat Vella, Baró de Viver i el Bon Pastor

Middle-low income districts (HHI2)

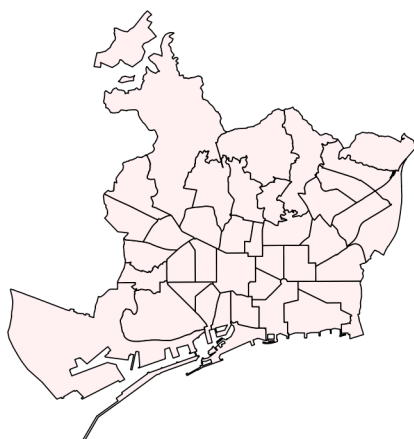
- 1 El Raval
- 3 La Barceloneta
- 11 El Poble Sec
- 12 La Marina
- 13 La Font de la Guatlla, Hostafrancs, i la Bordeta
- 14 Sants i Sants-Badal
- 25 El Guinardó
- 26 El Carmel i Can Baró
- 27 Els Barris de la Vall d'Hebron

- 28 Horta i la Font d'en Fargues
- 34 Sant Andreu
- 35 La Sagrera, el Congrés i Navas
- 36 El Clot i el Camp de l'Arpa
- 39 El Besòs, el Maresme i Provençals
- 40 Sant Martí, la Verneda i la Pau

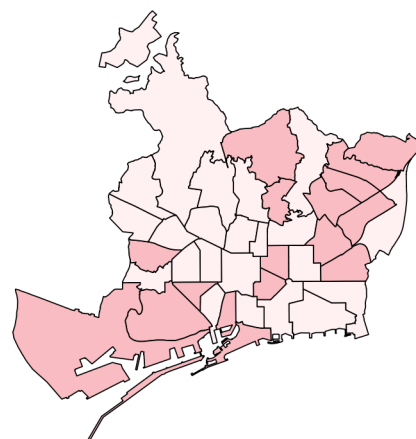
Basic profile



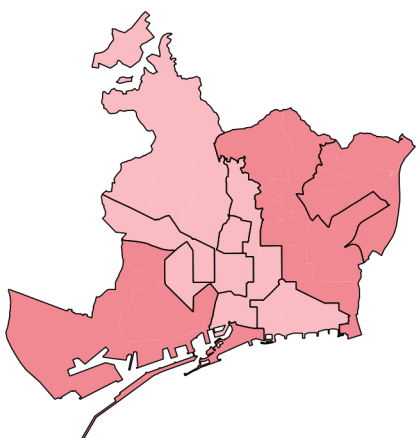
Sporadic profile



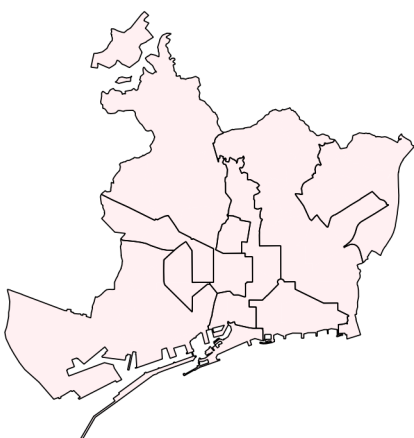
Nonuser profile



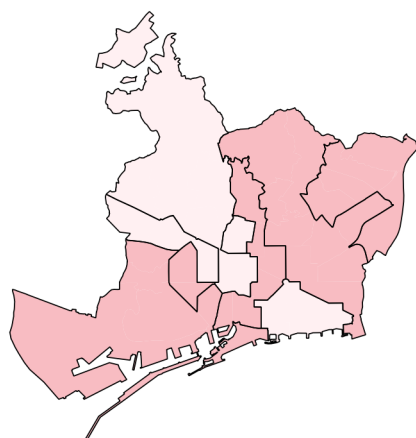
Basic profile



Sporadic profile



Nonuser profile



Middle income districts (HHI3)

- 2 El Barri Gòtic
- 4 Sant Pere, Santa Caterina i la Ribera
- 5 El Fort Pienc
- 6 La Sagrada Família
- 9 La Nova Esquerra de l'Eixample
- 10 Sant Antoni
- 22 Vallcarca, el Coll i la Salut
- 24 El Camp d'en Grassot i Gràcia Nova

Middle-high income dsitrixts (HHI4)

- 8 L'Antiga Esquerra de l'Eixample
- 15 Les Corts
- 16 La Maternitat i Sant Ramon
- 23 La Vila de Gràcia
- 37 El Parc, la Llacuna i la Vila Olímpica
- 38 El Poblenou i Diagonal Mar

High income districts (HHI5)

- 7 La Dreta de l'Eixample
- 17 Pedralbes
- 19 Sarrià, les Tres Torres i Vallvidrera
- 20 Sant Gervasi-la Bonanova i el Putxet
- 21 Sant Gervasi-Galvany

6. BALANCE

The position of Barcelona

The data obtained in this study shows the position of Barcelona compared to Catalonia, Spain and Europe with regard to internet access and usage.



An increasingly more digital population.

The citizens of Barcelona are above the European, Spanish and Catalan average regarding internet connectivity, human capital and usage.

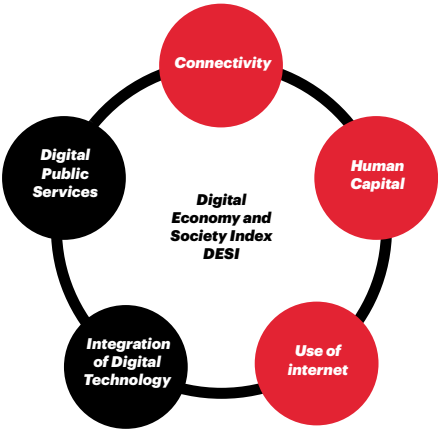
This accounts for the depth of digital penetration in Barcelona, affecting all levels of society. Yet there is still room to intensify efforts to achieve total digital inclusion and reduce the barriers to access, use and digital skills for all the citizens of Barcelona.

GLOBAL CONCLUSIONS

The citizens of Barcelona, ahead in digital access and usage

Below are the results for Barcelona compared with other sources of information available in Catalonia, Spain and the European Union.

The Digital Economy and Society Index (DESI) enables us to compare the results of Barcelona citizens with those of Cataluña, Spain and the European Union based on three analysis points.



Connectivity

- The citizens of Barcelona who have a smartphone make up 77% of the population, far above the European average of 67% in 2014, a figure provided by DESI 2015¹.
- In Barcelona 84% of those surveyed have home internet connection. The figure for the European Union in 2014 was 81%, although leading countries like Luxemburg, Netherlands and Iceland now have 96%, followed by Denmark and Norway with 93%².

Human capital

- Regular internet use (at least a once weekly internet connection) by Barcelona citizens is 89%, exceeding those in the European Union (75%) and Spain (71%), according to data from Eurostat 2014. This figure places Barcelona in the group of leading European Union countries, alongside the United Kingdom (89%), Finland (90%), Sweden (91%) and Netherlands (91%).

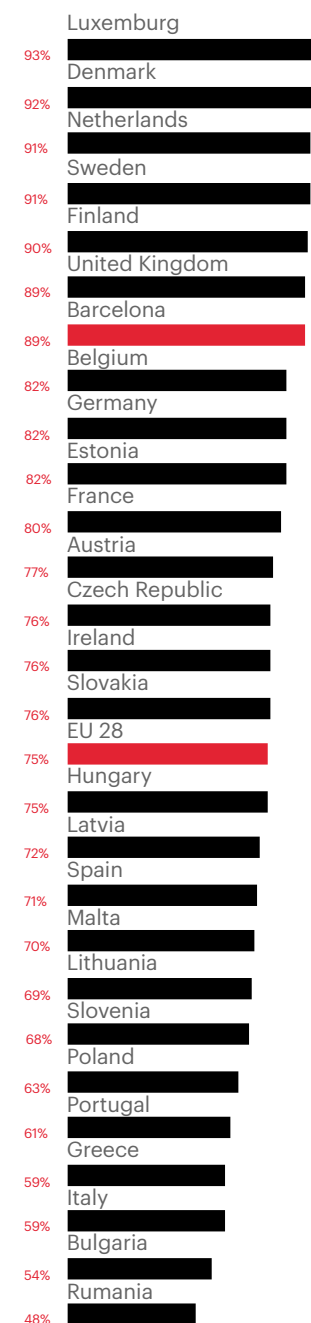
- (1) Source: Observatorio de la Sociedad de la Información y la Modernización de Galicia (2015). Website: http://www.osimga.gal/es/actualidade/noticias/20150301_agenda.html
- (2) Source: La brecha digital en España, UGT, 2015 (Eurostat 2014). Sitio web: http://www.ugt.es/Publicaciones/BRECHADIGITAL_WEB.pdf
- (3) Source: La brecha digital en España, UGT, 2015 (Eurostat 2014). Website: http://www.ugt.es/Publicaciones/BRECHADIGITAL_WEB.pdf
- (4) Source: Digital Agenda Scoreboard 2015: Most targets reached, time has come to lift digital borders, 2015. Website: <https://ec.europa.eu/digital-agenda/en/news/digital-agenda-scoreboard-2015-most-targets-reached-time-has-come-lift-digital-borders>
- (5) Source: Eurostat 2015 and Institut of Statistics of Catalonia (Idescat).

- Following the same pattern, only 7.8% of Barcelona citizens have never used internet, half the figure for The European Union (16.4%) and Cataluña (15.6%) and far below the figure of 19% for Spain (2015 data from INE). Once again Barcelona is in the top half of the European ranking, along with countries like Switzerland (8%), Finland, Sweden and The UK (6%) ³.

Use of internet

- In Barcelona 64% of the citizens use internet banking, above the figure for The European Union 2014 (57%) ⁴.
- Almost half of Barcelona citizens (48.6%) have shopped online, exceeding the figure for the European Union (43%), Catalonia (39%) and Spain (32%) ⁵.

Percentage of citizens who connect to internet at least once a week. Source: Eurostat (2014) and MWCcapital.



Population that has used internet in the last three months in the EU.
Source: Eurostat (2014) and MWCcapital.
The data for Barcelona is from January 2016

	Men	Women	Gender divide
Luxembourg	96%	94%	2%
Denmark	96%	96%	0%
Netherlands	94%	92%	2%
Sweden	94%	91%	3%
Finland	93%	91%	2%
United Kingdom	92%	90%	2%
Barcelona*	91%	90%	1%
Germany	89%	84%	5%
Belgium	86%	84%	2%
France	85%	82%	3%
Austria	85%	77%	8%
Estonia	85%	84%	1%
Czech Republic	82%	78%	4%
Slovakia	81%	79%	2%
EU-28	80%	76%	4%
Ireland	78%	81%	3%
Spain	78%	74%	4%
Hungary	78%	75%	3%
Latvia	76%	76%	0%
Malta	75%	72%	3%
Croatia	72%	66%	6%
Lithuania	72%	72%	0%
Slovenia	71%	72%	1%
Cyprus	71%	68%	3%
Portugal	69%	61%	8%
Poland	67%	66%	1%
Italy	66%	58%	8%
Greece	65%	61%	4%
Bulgaria	57%	54%	3%
Rmania	56%	52%	4%

CONCLUSIONS BY CATEGORY

Gender

Being a man or a woman is not a determining factor for adopting new technologies in Barcelona.

The city is on a level with Nordic countries regarding the nonexistence of a digital divide and the high degree of internet usage by both sexes. There is only one percentage point of difference between men (91%) and women (90%) with regard to the last time they connected to internet in the past three months.

Gender equality is therefore almost total. This figure contrasts with the two percentage point difference between men and women in leading countries like Luxemburg, Finland, Netherlands and the UK. Barcelona is also above the European Union average and also the figures for Spain, which show that men are four points ahead internet usage.

Barcelona is among the leading European countries for having achieved gender equality in internet usage.

Barcelona has achieved equality between men and women in the adoption of new technologies and internet usage, positioning it among the leading European.

Age

Internet penetration in the population of Barcelona has spread across all age groups. Only among those between 65 and 74 is age a determining factor for internet access. It is in this age group where internet access is not as widespread as in others: 66% have home internet connection and 47% have smartphone connection.

Barcelona, with 35% of people between 65 and 74 years old who have never used internet, is in seventh position in Europe. Only Finland (25%), the UK (20%), Sweden (16%), Luxemburg (15%), Netherlands (15%) and Denmark (13%) are ahead in this ranking. Barcelona is clearly below the average in the European Union (49%) and Spain (66%) for the number of 65 to 74-year-old citizens who do not use internet.

The age digital divide is also evident in the number of devices used to connect to internet: the more senior the citizen, the fewer devices used. However, the smartphone is the preferred device for internet connection, seven out of ten Barcelona citizens use it for this purpose.

With regard to internet usage, there are differences depending on age. The millennials (16 to 24 years old) lead the use of social networks (over 90%), while those over 40 years old make doctors' appointments online more frequently (about 40% have done this in the last three months).

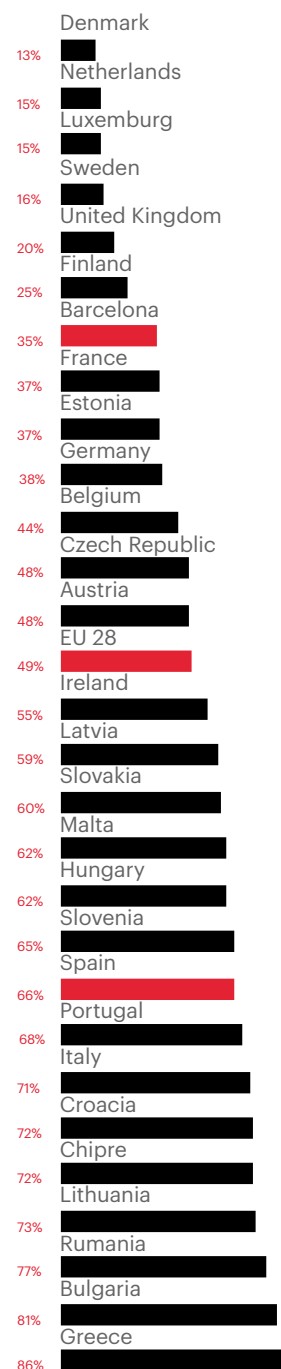
Transactional and collaborative economy activities are more frequent among citizens between 25 and 44 years old. It is also this segment which interacts with the public administration on internet or searches for information on public administration websites with more frequency.

Barcelona leads the way in Europe in the number of people between 65 and 74 years old who use internet.

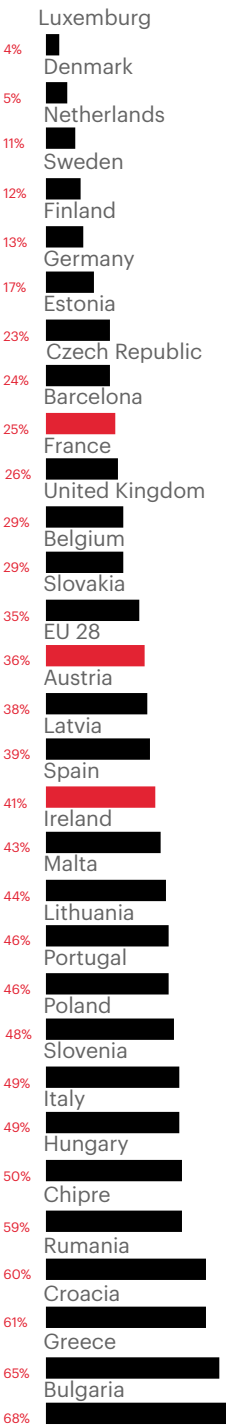
Other activities such as emailing or reading news websites show few differences between age groups: over three out of four citizens have engaged in these activities in the last three months.

Age also influences the perception of internet security. More senior citizens tend to use the same password for everything and are also less likely to change it.

Percentage of citizens between 65 and 74 years old who have never used internet. Source: Eurostat (2015) and MWCcapital. The data for Barcelona is from January 2016



Percentage of citizens with low education level who have never used internet. Source: Eurostat (2015) and MWCcapital. The data for Barcelona is from January 2016



Education level

Education level is an important factor to explain the differences in internet access and use. The digital divide is generated especially in citizens with a low education level. 57% of these have home internet connection, compared to 87% of those with a middle education level and 94% of those with a high level.

However, Barcelona shows a result above the European and Spanish average. In Spain 39% of citizens with a low education level do not use internet, while the European figure is 36%. In Barcelona one in four citizens with this education level are nonusers of internet. This figure puts the city in the top half of the European ranking, still with room for improvement compared to the leading countries.

Citizens with a low education level also make use of fewer devices to connect to internet, such as the tablet or laptop. The smartphone, however, is widely used at all education levels (90%).

There are no significant differences in social internet usage, like video calls or social networks. However, having a low education level is directly related to a less frequent use of news websites, public administration webs and other online activities like banking, buying and selling and training courses.

The training digital divide is a determining factor in internet access and usage. In this aspect Barcelona is in the top half of the European ranking.

Citizens with a low education level take fewer precautions on internet: this is the segment which mainly uses the same password for all services, never changes the passwords and uploads contents onto social networks with fewer restrictions.

Occupation

Occupation is a significant factor to explain differences in internet access, but it especially influences internet usage and activities. Retired citizens (68%) and the unemployed (77%) are the segments with least home internet.

In line with the results for age, gender and education level, Barcelona is well positioned in Europe with regard to occupation-related internet access. Over 90% of the unemployed in Barcelona have connected to internet in the last week, which positions Barcelona in the top half of the European ranking. Only Denmark (95%), the UK (94%), Netherlands (94%), Sweden (93%) and Finland (92%) are above Barcelona. The city also exceeds the European (75%) and Spanish (73%) average.

It is in internet usage where the biggest differences between segments emerge.

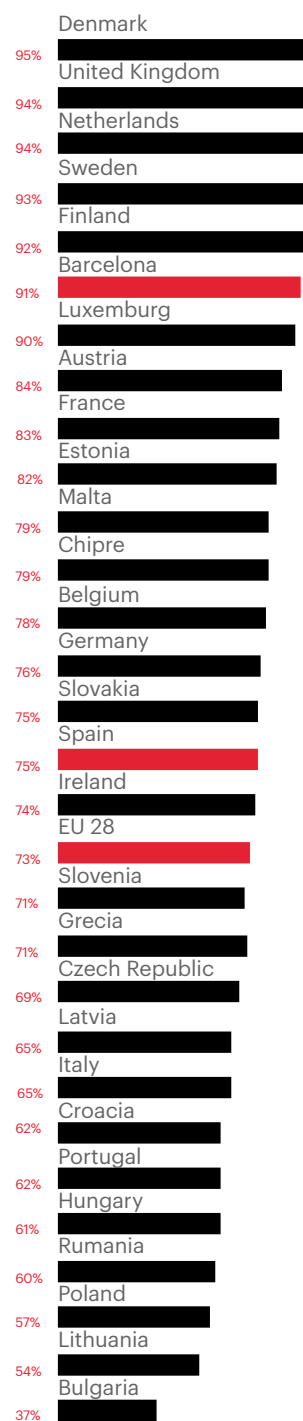
Students lead in social activities (social networks or video calls), while retired citizens more frequently make doctors' appointments online, and working citizens make more use of internet banking. The unemployed are those who make most use of internet to search for work.

Consequently it can be seen that each segment does different activities on internet according to their needs. Only activities not directly related to a specific segment, such as reading news on internet or using email, show no significant differences between different work situations.

The occupation digital divide is seen mainly in internet usage. Barcelona is ahead in Europe regarding internet usage by unemployed citizens.

With regard to internet security, retired citizens and homemakers take the fewest precautions when using internet, as they always use the same password and never change it.

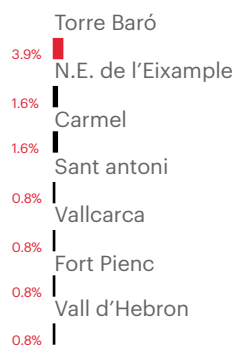
Percentage of unemployed who have accessed internet at least once a week.
Source: Eurostat (2105) and MWCcapital.
The data for Barcelona is from January 2016



Percentage of unemployed who have accessed internet at least once a week.
Source: Eurostat (2105) and MWCcapital.
The data for Barcelona is from January 2016



Percentage of citizens who say they cannot connect their home to internet for lack of fixed broadband coverage.
Source: MWCcapital



The greater districts

The results of internet access and usage in the greater districts have shown the existence of a territorial digital divide in Barcelona. Between districts there are differences of up to 34 percentage points regarding home internet connection (Les Corts 96%, Torre Baró 62%), and up to nearly 40 points between the residents of districts like Dreta de l'Eixample (94%) and Torre Baró (55%) regarding smartphone internet connection. The same differences emerge in internet usage.

The socio demographic (composition of the population and education level) and the socioeconomic (district income level and occupation) differences between the greater districts explain these disparities.

As the graph shows, only a small percentage of citizens surveyed (0.2%) say that they have no home internet connection due to lack of broadband service. Barcelona is therefore well below the Catalan (4.2%) and Spanish (3.1%) average in this aspect.

Home broadband coverage is almost total in Barcelona. The percentage of citizens who say they have no home internet connection due to lack of this service is well below the Catalan and Spanish average.

However, if this data is analysed by districts, it is found that 3.9% of citizens in Torre Baró, 1.6% in Nova Esquerra de l'Eixample and Carmel, and 0.8% in Sant Antoni, Vallcarca, Fort Pienc and Vall d'Hebron say they have no home internet connection due to absence of broadband service. All these districts, however, are below the average in Catalunya (4.2%).

So, although Barcelona is in general terms becoming a highly connected city with growing internet usage by its citizens, it is also true that disparities between districts cannot be ignored.

CONCLUSIONS ACCORDING TO DISTRICT INCOME LEVEL

District income is a very significant factor which explains differences in Internet access and usage between Barcelona citizens.

The intermediate user profile is predominant, except in high income districts where the main profile is advanced

With the exception of high income districts, the major digital profile in Barcelona is intermediate (between three and four out of ten have this profile). This fact illustrates the widespread use of new technologies among citizens, who are using increasingly more devices and more online services. In high income districts the main profile is the advanced user (nearly one in two citizens), who uses more devices to connect and does more activities than the intermediate user. The basic, sporadic and nonuser profiles are found in the lowest income districts.

There are differences in internet access depending on district income level

The "The Digital Divide in Spain" report (2015) by UGT highlights the importance of income to explain that the number of frequent internet users grows at the same rate as income, or that in low incomes the economic barriers to internet access and devices are greater than in high incomes.

This report does not analyse citizens' income levels, but the districts of Barcelona according to income level. However, similar conclusions can be drawn. The high income districts have a higher rate of home internet connection (94%) than districts with a low income (76%).

Similarly, the percentage of internet users in the last three months is greater in high income districts (96%) than in those with a low income (88%). Despite the differences, internet access in all districts is very high.

The most significant differences according to income are in internet usage, especially in more transactional (buying and selling) and economic (banking) activities.

In these activities the socioeconomic differences between districts gain importance and determine certain behavior: citizens in high income districts buy, rent and bank on internet more than people in low income areas.

The age and gender digital divides affect people in low income districts. The education and occupation digital divides influence people everywhere except the high income districts

By introducing other variables, like gender, age, education level and occupation, into the comparative according to district income level, certain digital divides emerge between the citizens.

Unlike other districts, in low income districts gender and age generate significant digital divides. In these areas, internet access does not depend on gender, but the profile is more noticeably masculine for certain activities (email, video calls, reading news, information search on public administration webs or renting).

The age digital divide is seen in both internet access and usage. In low income districts, citizens between 65 and 74 years old have much less home internet connection (47%) in comparison with the same age group in high income districts (88%).

This pattern is also true for certain internet usage: 24% of people between 65 to 74 years old in low income districts use internet banking, whereas the figures rises to 57% in high income areas.

The age and gender digital divides in low income districts are greater than in high income areas.

According to district income level there are considerable differences according to education level and occupation. This education and occupation digital divide appears in all districts, with the exception of high income ones. In these districts a high, middle or low education level is not a determining factor; neither is being a student, a working citizen, unemployed, retired or a homemaker.

Citizens with a high education level have smartphone internet connection in the same proportion in high and low income districts (94%). In contrast, more people with a low education level have this service in high income districts (77%) than in low income ones.

The same pattern can be seen regarding Internet usage. Over 90% of those with a high education level have read the news on internet in the last three months in both high and low income districts, whereas only 64% of those with a low education level in low income districts say they have done this compared to 85% of people in high income areas.

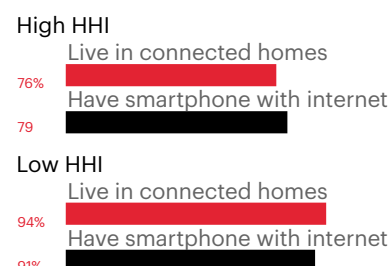
Education level and occupation generate digital divides in all districts, except in those with a high income.

Finally, occupation shows a similar pattern to education level. More than 90% of homemakers in high income districts have home internet connection, while only two out of three in low income districts have this service. Internet usage also reveals differences: while 29% of homemakers in low income districts have shopped on internet in the last three months, the figure is 81% in high income areas.

Citizens between 65 and 74 years old with home internet by district income level.
Source: MWCcapital



Internet access by district income level.
Source MWCcapital




(6) Source: La brecha digital en España, UGT, 2015 (Eurostat 2014). Sitio web: <http://www.ugt.es/>

7. CONSIDERATIONS

A proposal to the world

Barcelona contributes data and a methodology so that cities, not only countries and regions, may evaluate and improve their citizens' internet access and usage.



Cities cannot elude the responsibility of guaranteeing their citizens' internet access and digital skills.

A TOOL FOR IMPROVING THE CITY

Cities cannot elude the responsibility of guaranteeing their citizens' internet access and digital skills, since their social and professional development depends on it. So there is a need for a mechanism able to objectively evaluate progress in this task, with enough detail to allow decisions to be made and efforts to be prioritized.

An initial reading of the data supplied by this study shows that the results for Barcelona are exceptional in comparison with Catalonia, Spain and Europe, but a more detailed analysis leaves no room for complaisance and reveals significant differences between districts, especially according to their income level, which are magnified by the factors of age, occupation and education level.

Barcelona must work to improve the internet link in low income districts, and the data supplied by this study reveals that the biggest challenge is not infrastructures but people. There is a need to educate, accompany and support, especially senior citizens.

In order to face these challenges and encourage decision making and action plans, it will be necessary to review the indicator systems used up to now. In cities as connected as Barcelona we must take a fresh look at the concept of digital divide, guiding it more towards usage than connectivity, and looking in more detail at the socioeconomic aspect.

EMPOWERING CITIZENS

The study supplies detailed information based on numerous criteria, both geographical and socioeconomic, which must be the base to allow multiple analyses. The fact that all the data is available (<http://www.mobileworldcapital.com/escletxa-digital>) must allow and encourage all those interested (research groups, neighbourhood movements, associations, etc.) to dive in, reach their own conclusions and make their own proposals.

An initial reading encourages work on the aspects of privacy and security awareness, or promotion of certain activities such as participation or information search. However, the most evident conclusion is that the city demands different action plans and that the criteria is no longer gender or infrastructure, but district, and specifically district income.

This data that has now become public must allow the different actors in the city to discuss and document their reflections, be more precise in their proposals and be able to evaluate and objectively view progress over time.

A PROPOSAL TO OTHER CITIES

So far this kind of study has been conducted at a continent, country or regional level, and this report is an effort to achieve precision at a city level. It also provides a solid base of methodology and data that can allow progress to be measured and comparisons to be made.

Measuring the digital divide in cities was necessary, and Barcelona offers this study and its data to all the cities that share this view. Having this data and sharing it with other cities must allow situations to be evaluated with more criteria, distinguishing whether they are specific or shared, comparing evolution over time and contrasting the results of different action plans.

In the same way as countries and regions share evaluation criteria to guide their digital agendas and be able to compare, support each other and learn, cities need a similar analysis mechanism, and this document aims to be a contribution and a proposal.

APPENDIX

***Attributes defining the five user profiles
in the city of Barcelona, and detail of the
questionnaire used in the survey.***

Questionnaire and tabulated data.



TABLE 1. CHARACTERIZATION OF USER AND NONUSER PROFILES OF THE POPULATION OF BARCELONA

Perfil	Sex	Age	Nationality	Education level	Occupation	District by HHI	Greater district
Advanced	Man - 31.2%	16-24 – 44,2%	Spanish	High - 47.1%	Working - 38.5%	High - 47.1%	1. Sant Gervasi – Galvany (55,1%)
	Woman - 30.4%	25-34 – 34,7%	Foreign	Middle - 26.9%	Unemployed - 17.5%	Middle-high - 19.2%	2. Dreta de l'Eixample (50,4%)
		35-44 –		Low - 12.9%	Retired - 11%	Middle - 31.6%	3. Nova Esquerra de
		45-54 – 33,7%			Homemaker - 17.4%	Middle.-low - 27.5%	
		55-64 – 22,5%			Student - 44.6%	Low - 23.5%	
		65-74 – 9,9%					
	Man - 35.8%	16-24 – 41,7%	Spanish	High - 37.6%	Working - 35.9%	High - 37.4%	1. Sarrià, Tres Torres i Vallvidrera (49,2%)
	Woman - 33.7%	25-34 – 43,6%	Foreign	Middle - 38.9%	Unemployed - 41.6%	Middle.high - 38.9%	2. Les Corts (46,9%)
		35-44 – 37,3%		Low - 23.3%	Retired - 22.9%	Middle - 32.6%	3. Vila de Gràcia (45,3%)
		45-54 – 32,3%			Homemaker - 31.5%	Middle-loe - 34.3%	
		55-64 – 31,9%			Student - 43.6%	Low - 31.3%	
		65-74 – 19,1%					
Basic	Man - 20.6%	16-24 – 13,8%	Spanish	High - 12.4%	Working - 18.5%	High - 11.3%	1. Sagrera, Congrés i Navas (38%)
	Woman - 21%	25-34 – 18,7%	Foreign	Middle - 24.8%	Unemployed - 31.8%	Middle-high - 19.2%	2. Trinitat Vella, Baró de Viver i Bon Pastor (33,6)
		35-44 –		Low - 26.6%	Retired - 22-9%	Middle - 20%	3. Sant Antoni (28,1%)
		45-54 – 23%			Homemaker - 30.8%	Middle-low - 23%	4. Vall d'Hebron (28,1%)
		55-64 – 24,6%			Student - 11.9%	Low - 26.2%	
		65-74 – 22,7%					
Sporadic	Man - 3.7%	16-24 – 0,3%	Spanish	High - 1.4%	Working - 3.6%	High - 1.9%	1. Sant Antoni (9,4%)
	Woman - 4.7%	25-34 – 1,7%	Foreign	Middle - 4.2%	Unemployed - 3.2%	Middle-high - 3.4%	2. Canyelles, Roquetes i Trinitat Nova (8,6%)
		35-44 – 3,4%		Low - 8.5%	Retired - 8.3%	Middle - 5.2%	3. Vilapicina, Porta, el Turó de la Peira i Can Peguera (7,8%)
		45-54 – 4,3%			Homemaker - 6.7%	Middle-low - 4.%	
		55-64 – 7,3%			Student - 0%	Low - 6.9%	
		65-74 – 8,7%					
Non-user	Man - 8.7%	16-24 – 0%	Spanish	High - 1.5%	Working - 3.4%	High - 3.8%	1. Carmel i Can Baró (19,5%)
	Woman - 10.3%	25-34 – 1,4%	Foreign	Middle - 4.2%	Unemployed - 6%	Middle-high - 5.6%	2. La Marina (17,2%)
		35-44 – 2,2%		Low - 28.7%	Retired - 34.8%	Middle - 10.6%	3. Sant Andreu (17,1%)
		45-54 – 6,7%			Homemaker - 13.5%	Middle-low - 11.2%	
		55-64 – 13,8%			Student - 0%	Low - 12.2%	
		65-74 – 39,6%					

TABLE 2. USER INTERNET USAGE CATEGORIZATION

P4. SOCIAL USAGE

Use email
Make internet phone calls (Skype or similar)
Use social networks
Upload contents onto webs or blogs
Create webs or blogs
Read news online

P5. HEALTH-RELATED USAGE

Search for health-related information
Make doctor's appointment

P5. ADMINISTRATIVE USAGE

Search for information on public administration webs
Bank online
Interact with the administration

P5. TRANSACTIONAL USAGE

Buy online
Sell online
Rent online

P5. TRAINING AND WORK-RELATED USAGE

Do online training course
Search for work online

P5. COLLABORATIVE ECONOMY USAGE

Share goods without remuneration
Participate online in social, association and neighbourhood movements

TABLE 3. DETAILS OF GREATER DISTRICTS AND DISTRICTS IN BARCELONA

GREATER DISTRICT		DISTRICT	
1	el Raval	1	el Raval
2	el Barri Gòtic	2	el Barri Gòtic
3	la Barceloneta	3	la Barceloneta
4	Sant Pere, Santa Caterina i la Ribera	4	Sant Pere, Santa Caterina i la Ribera
5	el Fort Pienc	5	el Fort Pienc
6	la Sagrada Família	6	la Sagrada Família
7	la Dreta de l'Eixample	7	la Dreta de l'Eixample
8	l'Antiga Esquerra de l'Eixample	8	l'Antiga Esquerra de l'Eixample
9	la Nova Esquerra de l'Eixample	9	la Nova Esquerra de l'Eixample
10	Sant Antoni	10	Sant Antoni
11	el Poble Sec	11	el Poble Sec
12	la Marina	12	la Marina del Prat Vermell
		13	la Marina de Port
13	la Font de la Guatlla, Hostafrancs i la Bordeta	14	la Font de la Guatlla
		15	Hostafrancs
		16	la Bordeta
14	Sants i Sants-Badal	17	Sants - Badal
		18	Sants
15	les Corts	19	les Corts
16	la Maternitat i Sant Ramon	20	la Maternitat i Sant Ramon
17	Pedralbes	21	Pedralbes
19	Sarrià, les Tres Torres i Vallvidrera	22	Vallvidrera, el Tibidabo i les Planes
		23	Sarrià
		24	les Tres Torres
20	Sant Gervasi-la Bonanova i el Putxet	25	Sant Gervasi - la Bonanova
		27	el Putxet i el Farró
21	Sant Gervasi-Galvany	26	Sant Gervasi - Galvany
22	Vallcarca, el Coll i la Salut	28	Vallcarca i els Penitents
		29	el Coll
		30	la Salut
23	la Vila de Gràcia	31	la Vila de Gràcia
24	el Camp d'en Grassot i Gràcia Nova	32	el Camp d'en Grassot i Gràcia Nova
25	el Guinardó	33	el Baix Guinardó
		35	el Guinardó
26	el Carmel i Can Baró	34	Can Baró
		37	el Carmel
		38	la Teixonera
		39	Sant Genís dels Agudells
27	Los Barrios de la Vall d'Hebron	40	Montbau
		41	la Vall d'Hebron
		42	la Clota
28	Horta i la Font d'en Fargues	36	la Font d'en Fargues
		43	Horta

GREATER DISTRICT		DISTRICT	
29	Vilapicina, Porta, el Turó de la Peira i Can Peguera	44	Vilapicina i la Torre Llobeta
		45	Porta
		46	el Turó de la Peira
		47	Can Peguera
30	la Guineueta, Verdun i la Prosperitat	48	la Guineueta
		51	Verdun
		52	la Prosperitat
31	Canyelles, les Roquetes i la Trinitat Nova	49	Canyelles
		50	les Roquetes
		53	la Trinitat Nova
32	Torre Baró, Ciutat Meridiana i Vallbona	54	Torre Baró
		55	Ciutat Meridiana
		56	Vallbona
33	la Trinitat Vella, Baró de Viver i el Bon Pastor	57	la Trinitat Vella
		58	Baró de Viver
		59	el Bon Pastor
34	Sant Andreu	60	Sant Andreu
35	la Sagrera, el Congrés i Navas	61	la Sagrera
		62	el Congrés i els Indians
		63	Navas
36	el Clot i el Camp de l'Arpa	64	el Camp de l'Arpa del Clot
		65	el Clot
37	el Parc, la Llacuna i la Vila Olímpica	66	el Parc i la Llacuna del Poblenou
		67	la Vila Olímpica del Poblenou
38	el Poblenou i Diagonal Mar	68	el Poblenou
		69	Diagonal Mar i el Front Marítim del Poblenou
39	el Besòs, el Maresme i Provençals	70	el Besòs i el Maresme
		71	Provençals del Poblenou
40	Sant Martí, la Verneda i la Pau	72	Sant Martí de Provençals
		73	la Verneda i la Pau



THE DIGITAL DIVIDE IN BARCELONA

Questionnaire. January 2016

Good morning / good evening. My name is xxxxx and I work for GESOP, Cabinet of Social Studies and Public Opinion. We are conducting a survey to know the habits of the citizens of Barcelona. Could you answer a few questions? It will be brief. Thank you very much for your help.

FILTER QUESTIONS

F1. ARE YOU LIVING AND ARE YOU REGISTERED IN THE CITY OF BARCELONA?

Yes..... 1
No..... 2 (Reject interviewee)

USER PROFILE

P1. IS YOUR HOME CONNECTED TO INTERNET?

Interviewer: **Connected home base.**

Yes..... 1
No..... 2
Doesn't know..... 98
Doesn't reply..... 99

P1.-A. **-Yes P1= 1- WHAT TIPE OF CONNECTION? -Read options-**

ADSL / VDSL / SDSL..... 1
Optic fibre..... 2
Fibre and coaxial hybrid..... 3
Other systems..... 95
Doesn't know..... 98
Doesn't reply..... 99

P1.-B. **-Yes P1=2- FOR WHAT REASON ARE YOU NOT CONNECTED? -Spontaneous. Do NOT READ options-**

Nor fibre nor ADSL / VDSL / SHDSL reach // internet does not reach..... 1
We cannot afford the connection..... 2
We cannot afford the devices..... 3
We do not need it, we use internet via smartphone / tablet..... 4
We do not need it, we use internet from other places..... 5
We don't need it, we won't use internet..... 6
Other replies..... 95
Doesn't know..... 98
Doesn't reply..... 99

P2. DO YOU PERSONALLY HAVE A SMARTPHONE?

Yes..... 1
No..... 2
Doesn't know..... 98
Doesn't reply..... 99

P2.-A. **-Yes P2=1- DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?**

Yes..... 1
No..... 2
Doesn't know..... 98
Doesn't reply..... 99

P2.-B. **-Yes P2A=2- FOR WHAT REASON? -Spontaneous. Do NOT READ options -**

I cannot afford it..... 1
It is not necessary. I have enough with Wi-Fi..... 2
It is not necessary; I don't need internet on the mobile..... 3
There is no mobile data coverage in my home..... 4
Other replies..... 95
Doesn't know..... 98
Doesn't reply..... 99

P3. WHEN WAS THE LAST TIME YOU USED INTERNET? -Read options-

Today or yesterday	1
In the last week	2
Between two and four weeks ago	3
More than one month and less than 3 months	4
More than 3 months and less than one year ago	5
More than one year	6
I never use internet	7
Doesn't know	98
Doesn't reply	99

Go to ID7

Go to ID7

Go to ID7

Go to ID7

USE OF INTERNET**-Has just used internet the last 3 months (P3=1o2o3o4)-**

P4. COULD YOU TELL ME ALL THE DEVICES YOU USE TO CONNECT WITH? -Spontaneous. DO NOT READ options. Multiple choice. Insist-

Smartphone	1
Tablet	2
Laptop	3
Home desktop	4
Work desktop	5
Study centre desktop	6
Video game console	7
Other devices	95
Doesn't know	98
Doesn't reply	99

Just show if ID6=1

Just show if ID6=5

P5. IN THE LAST THREE MONTHS, FOR PERSONAL REASONS... -Rotate items-

P5.-A. HAVE YOU USED EMAIL?	
P5.-B. HAVE YOU MADE INTERNET VIDEO CALLS (SKYPE OR SIMILAR)?	
P5.-C. HAVE YOU USED A SOCIAL NETWORK (FACEBOOK, TWITTER OR SIMILAR)?	
P5.-D. HAVE YOU UPLOADED CONTENTS ONTO WEBS OR BLOGS?	
P5.-E. HAVE YOU CREATED A WEB OR BLOG?	
P5.-F. HAVE YOU READ NEWS ON INTERNET?	
P5.-G. HAVE YOU SEARCHED FOR INFORMATION ON PUBLIC ADMINISTRATION WEBSITES?	
P5.-H. HAVE YOU SEARCHED FOR HEALTH-RELATED INFORMATION?	

Yes	1
No	2
Doesn't know	98
Doesn't reply	99

P5.-I. HAVE YOU BOUGHT ANYTHING ON INTERNET?	
P5.-J. HAVE YOU SOLD ANYTHING ON INTERNET?	
P5.-K. HAVE YOU CONSULTED BANK ACCOUNTS OR DONE OTHER BANKING BUSINESS ON INTERNET?	
P5.-L. HAVE YOU DONE ANY TRAINING COURSE ON INTERNET?	
P5.-M. HAVE YOU RENTED ANYTHING ON INTERNET?	
P5.-N. HAVE YOU SEARCHED FOR WORK ON INTERNET?	
P5.-O. HAVE YOU MADE A DOCTOR'S APPOINTMENT ON INTERNET?	
P5.-P. HAVE YOU DONE BUSINESS WITH THE PUBLIC ADMINISTRATION ON INTERNET?	
P5.-Q. HAVE YOU SHARED GOODS OR SERVICES ON INTERNET WITHOUT REMUNERATION?	
P5.-R. HAVE YOU PARTICIPATED VIA INTERNET IN SOCIAL ASSOCIATION OR NEIGHBOURHOOD MOVEMENTS?	

P6. HOW MANY PASSWORDS DO YOU USE ON INTERNET? -Read options-

One, the same one for everything	1
Some	2
A different one for each thing	3
(DO NOT READ) I don't use any password	4
Doesn't know	98
Doesn't reply	99

P7. HOW OFTEN DO YOU CHANGE THESE PASSWORDS? - Read options -

At least once every six months	1
Less frequently	2
Never	3
Doesn't know	98
Doesn't reply	99

P8. -Yes P5C=1- WHEN DO YOU UPLOAD CONTENT ONTO A SOCIAL NETWORK...? - Read options -

Do it completely openly	1
Restrict Access to only a few people	2
(DO NOT READ) Don't upload anything onto social networks	3
Doesn't know	98
Doesn't reply	99

IDENTIFICATION DATA**-To everybody-**

ID1. DISTRICT

ID2. GREATER DISTRICT

ID3. SEX

Man	1
Woman	2

ID4. AGE -exact age and code-

16 to 24	1
25 to 34	2
35 to 44	3
45 to 54	4
55 to 64	5
65 to 74	6

ID5. NATIONALITY

Spanish	1
Spanish + other	2
Foreign	3

ID6. OCCUPATION

Working	1
Unemployed	2
Retired / Pensioner	3
Homemaker (without remuneration)	4
Student	5
(DO NOT READ) Doesn't reply	9

ID7. WHAT IS YOUR LEVEL OF COMPLETED OFFICIAL STUDIES?

Unfinished compulsory studies	1
Compulsory	2
Post compulsory	3
Professional post compulsory	4
University	5
Doesn't reply	9

TOTAL RESULTS

	TOTAL		SEX		AGE							NATIONALITY		EDUCATION LEVEL					OCCUPATION				
			Man	Woman	16-24	25-34	35-44	45-54	55-64	65-74		Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	NR
Total base	5000	2414	2586	533	948	1122	941	764	674		4056	944	1190	2020	1790	1	2868	554	689	246	441	2	
P1. IS YOUR HOME CONNECTED TO INTERNET?																							
Yes	83.7	82.8	84.6	94.7	86.9	85.6	86.4	81.4	66.4		85.6	75.6	62.7	86.9	94.2	53	88.8	76.6	67.6	78.8	95.1	66	
No	16.3	17.2	15.4	5.3	13.1	14.4	13.6	18.5	33.6		14.4	24.4	37.3	13.1	5.8	47	11.2	23.4	32.4	20.9	4.9	34	
Doesn't reply	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Connected home base	4186	1999	2188	505	822	961	813	638	448		3473	714	745	1764	1686	1	2646	426	601	194	420	1	
P1-A. VIA WHAT TYPE OF CONNECTION?																							
ADSL / VDSL / SDSL	43.5	42.3	44.5	41.1	44.4	47.6	44.9	44	32.4		42.6	47.6	39.2	43.5	45.4	0	45.2	47.5	36	41.5	40.2	100	
Optic fibre	50.9	53.6	48.4	52.1	51.2	48.9	50.5	49.8	55.3		52.3	43.8	48.8	51.2	51.4	100	51.1	47.3	53.4	46.8	51.4	0	
Fibre and coaxial hybrid	0.3	0.3	0.3	0.1	0.3	0.1	0.6	0.3	0.6		0.3	0.5	0.2	0.4	0.3	0	0.3	0	0.6	0.9	0	0	
Other systems	0.3	0.4	0.2	0	0.4	0.2	0.6	0.5	0		0.3	0.4	0	0.4	0.4	0	0.4	0.6	0.2	0	0	0	
Doesn't know	5.1	3.5	6.6	6.7	3.6	5.7	3.8	3.5	5.4	10.7	4.5	7.7	11.6	4.6	2.5	0	3	4.6	9.8	10.8	3.4	0	
Not connected home base	813	415	398	28	123	163	128	145	227		583	230	443	268	103	1	322	130	288	51	21	1	
P1-B. FOR WHAT REASON ARE YOU NOT CONNECTED?																							
Nor fibre nor ADSL/VDSL/SDSL reach // Internet does not reach	1.2	0.8	1.7	0	1.1	2.8	0.5	1.6	0.4		1.3	0.9	0.9	1.7	1.4	0	2	0.8	0.6	0.7	0	0	
We cannot afford the connection	19.9	20.4	19.4	25	26.6	30.8	32.6	33.2	5		14.7	33.2	20.8	21.7	11.5	0	19.5	41.7	8.5	27	27.6	100	
We cannot afford the devices	1.1	1	1.2	0	3.2	0.8	1.5	0.4	0.4		0.9	1.6	1.9	0.2	0	0	0.8	2.7	0.3	3.2	0	0	
We don't need it, we use internet via smartphone / tablet	13.9	15.7	12	10.7	20	21.6	17	15.5	26		12.9	16.3	9	18.8	22.2	0	23	13.6	5.6	7	5.7	0	
We don't need it, we use internet from other places	10	11.8	8	16.6	18	12.9	14.8	4.9	3.5		10	16.6	6.7	8.7	15.6	15	17.3	7	3.2	11.4	0	0	
We don't need it, we don't use internet	38.1	33.9	42.6	8.7	9.7	12	19	51	76.8		47.6	14.1	49.8	25.1	21.2	100	19.3	12.4	72.3	38.2	18.8	0	
We are not interested	3.7	4.5	2.8	0	2	0.8	1.8	5.3	7		4.7	1.1	4.9	1.6	3.8	0	1.6	2.6	6.5	0	11.7	0	
The decision maker in the home doesn't want it	2.9	1.9	4	12.4	4.1	3.9	4.8	1.8	0		2.2	4.6	1.2	4.7	5.5	0	3.7	5.2	0.9	0	11.6	0	
It's temporary, we will put internet soon	3.1	3.6	2.7	10	5.7	2.9	3.6	2.5	1.2		2.2	5.6	2.2	2.1	9.6	0	5.5	3.7	0.4	1.4	6.4	0	
To save, it's expensive	1.5	1.7	1.3	0	1.9	4.1	1.5	1.1	0		1.2	2.3	0.8	2.2	3.2	0	1.6	4	0	3.9	0	0	
We use the neighbour's Wi-Fi	1.3	1.1	1.6	11.8	4.2	1.9	4.2	0.2	1.3		1.6	0.8	0.4	2.9	1.4	0	1.8	21.8	0	0	1.9	0	
Other replies	2.1	2.8	1.4	0	1.7	4.2	2.2	1.9	1.3		2	2.5	1.2	2.6	5.2	0	2.5	2.2	1.6	1.3	5.8	0	
Doesn't know	0.7	0.3	1.2	3.6	1.9	0.4	0.7	0.6	0		0.1	2.4	0.8	0.8	0	0	0.9	0.8	0	2.4	3.2	0	
Doesn't reply	0.3	0.6	0	1.2	0.6	1.4	0	0	0		0	1.1	0.9	0.6	0.1	0	0.1	0.9	0	0.8	0	0	
Total base	5000	2414	2586	533	948	1122	941	764	674		4056	944	1190	2020	1790	1	2868	554	689	246	441	2	
P2. DO YOU PERSONALLY HAVE A SMARTPHONE?																							
Yes	84.5	85	84.1	97.1	95.6	91.5	86.1	77	54.2		84	86.7	67.7	87.4	92.5	53	91.2	83.8	59.3	77.5	96.9	100	
No	15.4	15	15.8	2.9	4.4	8.5	13.8	23	45.8		16	13.3	32.3	12.5	7.5	47	8.8	16.2	40.7	22.5	3.1	0	
Doesn't know	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
Smartphone owner base	4227	2091	2176	517	903	1027	811	603	368		3408	818	806	1766	1696	1	2615	466	527	190	427	2	
P2-A. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?																							
Yes	91.8	91.1	92.4	93.6	90.6	94	92.1	90.3	87.2		93.8	83.3	83.6	91.9	95.6	100	94.5	85.2	86.6	85.8	91	100	
No	7.6	8.5	6.7	6.4	8.9	5.7	7.2	8.6	10.5		5.5	16.4	15.1	7.5	4	0	5	14.2	11.6	13.5	9	0	
Doesn't know	0.7	0.4	0.9	0	0.5	0.3	0.7	1.1	2.3		0.7	0.3	1.3	0.6	0.3	0	0.5	0.6	1.9	0.6	0	0	
Not a smartphone base	571	175	148	13	60	59	59	52	58		107	142	122	123	67	0	120	68	61	28	18	0	
P2-B. FOR WHAT REASON?																							
I cannot afford it	17.9	20	15.5	18.3	13.2	22	29.9	11	12.3		15.2	21.7	17.8	19.2	15.6	0	12.3	32	12.6	27.6	14.8	0	
It's not necessary, I have enough with Wi-Fi	38	38.2	37.6	23.7	18.6	25.5	35	22	24.6		33.7	30.7	33.8	34.9	35	0	47.7	36.9	19	51.4	35.6	66	
It's not necessary, I don't need internet on the mobile	26	22.2	30.6	18.4	13.2	11.9	31	41.6	51.9		33.2	16	32.7	20.8	24.1	0	21.5	17	50.2	22.2	20.9	0	
There is no mobile data coverage in my home	0.2	0	0.5	0	0	1.3	0	0	0		0	0.6	0	0.6	0	0	0.6	0	0	0	0	0	
I don't want to be tied to a company / Prepaid	4.6	5.5	2.5	7.8	7.8	4.4	7.9	3.9	3.4		2.5	7.4	3.3	3.3	9.5	0	5.4	2.6	5.8	0	7.8	0	
I don't know how to use it	1.9	1.6	2.2	0	0	0	0	0	7.9	4.9		3.2	0	4.3	0.6	0	1.2	0	7.2	0	0	0	
To save / It's expensive	3.7	4.4	2.9	1	5.2	6.1	4.4	2.4	0		4	3.4	1.9	4.9	4.8	0	7.1	3.1	0	0	1.8	0	
Other replies	4	1.7	4.1	4.1	4.8	0	0	0	3.1		3.2	2.6	4.3	4.3	0	0	0.8	6.8	0	2.3	6.7	0	
Doesn't know	4.8	4.1	5.5	21.9	5.9	2.7	1.2	2	0		2.4	8	3.6	5.2	6	0	3.3	1.9	0	13.4	16.6	0	
Total base	5000	2414	2586	533	948	1122	941	764	674		4056	944	1190	2020	1790	1	2868	554	689	246	441	2	
P3. WHEN WAS THE LAST TIME YOU USED INTERNET?																							
Today or yesterday	85.4	86.5	84.4	98.2	95.9	93.3	88.6	78.1	51.5		85	87.1	62.1	89.2	96.6	53	93	86.4	55.9	78.1	98.3	100	
In the last week	3.6	3.3	3.8	1.6	2.1	2.9	3.2	5.5	6.7		3.3	4.6	6.3	3.9	1.4	0	2.3	5	7.2	5.9	1.3	0	
Between two and four weeks ago	0.9	0.9	0.9	0.3	0.3	0.3	0.3	0.3	1.2		0.5	1.3	1.7	0.9	0.5	0	0.4	0.7	0.2	0.3	0	0	
More than one month and less than 3 months ago	0.6	0.6	0.6	0	0.3	0.6	0.6	0.7	1.1		0.5	1.1	1.2	0.7	0.1	0	0.5	0.8	0.9	0.9	0	0	
More than 3 months and less than one year ago	0.5	0.5	0.6	0	0.4	0.2	0.9	0.9	0.9		0.5	0.1	1	0.6	0.2	0	0.4	0.6	1	1	0	0	
More than one years ago	1.1	1	1	0	0.3	0.7	0.7	1.8	3.8		1.2	0.9	2.3	1.1	0.4	0	0.4	1	4.1	1.3	0	0	
I never use internet	7.8	6.8	8.6	0	0.7	1.3	4.8	11	34.9		8.6	4.2	25.1	3.5	0.9	47	2.6	4.4	29.5	11.3	0	0	
Doesn't know	0.1	0.1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
Doesn't reply	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
Has used internet in the last 3 months base	4525	2204	2321	533	932	1086	879	676	407		3638	887	848	1912	1763	1	2769	521	580	212	441	2	
P4. COULD YOU TELL ME ALL THE DEVICES YOU USE TO CONNECT WITH?																							
Mobile	89.4	88.5	90.2	96.5	95.7	92.1	87.6	83.5	71.9		88.9	91.1	88.6	89.1	90.1	100	92	85.2	76.1	86.9	96.6	100	
Laptop	33.7	32.5	34.8	34.8	31.5	39.6	35.3	29.8	24.2		35.7	25.3	23.8	30.7	41.6	0	36.5	25.5	26.7	35.6	33.6	34	
Home desktop	58.2	57.5	58.8	70.6	62.4	58.5	55	50.9	50.2		59.1	54.5	41	54.4	70.5	0	60.3	49.7	48				

	TOTAL																											
	Rural	Galic	Barenos	Sant Pere La Ribera	Santa Caterina	Fort Penede	Sagrada Família	Dreta Exemplar	Antiga Esquerra del Exemplar	Nova Esquerra de l'Exemplar	Sant Antoni	Poble Sec	La Marina	Borriola	Hostafranca	Font de la Guallina	Santa Santa-Badal	Les Corts	Mataró	Sant Ramon	Poderibus	Sarria	Tram Torrens Vallvidrera	El Putet	Sant Gervasi-Bonanova	Sant Gervasi-Galvany	El Coll La Salut	La Vall de Valldena
Total base	5000	157	52	49	76	100	163	135	131	163	120	129	97	142	206	143	74	35	133	165	140	133	165	140	133	165	140	133
P1. IS YOUR HOME CONNECTED TO INTERNET?																												
Yes	83.7	73.4	72.7	70.3	75	82.8	78.7	93	92.9	86.9	86.7	74.2	73.4	87.5	75.2	96.1	88.3	91.4	92.2	96.1	94.5	86.7	92.2	96.1	94.5	86.7	92.2	96.1
No	16.3	26.6	27.3	29.7	25	17.2	21.3	7	7	13.1	13.3	25.8	26.6	12.5	24.8	3.9	11.7	8.6	7.8	3.9	5.5	13.3	7.8	3.9	5.5	13.3	7.8	3.9
Doesn't reply	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connected home base	4186	116	38	34	57	83	128	126	122	159	104	96	71	124	155	136	66	32	123	169	132	97	123	169	132	97	123	97
P4-A. VIA WHAT TYPE OF CONNECTION?																												
ADSL / VDSL / SDSL	43.5	70.2	52.7	42.2	51	57.5	45	49.2	47.5	42.5	53.2	35.8	29.8	42.9	38.1	55.3	49.6	50.4	35.6	46.3	33.9	45	35.6	46.3	33.9	45	35.6	46.3
Optic fibre	50.9	28.7	45.2	53.3	44.8	40.6	51	41.7	43.2	53.1	43.2	54.7	60.6	52.7	52.6	43.1	38.1	49.6	56.8	52	63.6	45.9	56.8	52	63.6	45.9	56.8	52
Fibre and coaxial hybrid	0.3	0	0	0	0	0	0	0.8	0	0.9	0	0	0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other systems	0.3	0	0	0	0	0	0	1.7	0	0	0.9	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Doesn't know	5.1	1.1	2.2	4.4	4.2	0.9	4	6.7	7.6	3.5	2.7	8.4	8.6	2.7	9.3	1.6	12.4	0	8.8	1.6	0.8	8.1	8.8	1.6	0.8	8.1	8.8	1.6
Not connected home base	813	42	14	15	19	17	35	9	9	24	16	33	26	20	51	6	8	0	6	0	8	15	6	0	8	15	6	0
P1-B. FOR WHAT REASON ARE YOU NOT CONNECTED?																												
Nor fibre nor ADSL/VDSL/SDSL reach // Internet does not reach	1.2	0.8	0	1.7	0	1.1	0	24.5	0.50	1.60	0.4	0	1.31.8	0.95.9	0.9	0	1.4	0	0.8	0.6	0	0	0	0	0	0	0	0
We cannot afford the connection	19.9	29.4	14.3	13.2	14.8	37.5	0	14.8	22.2	22.2	22.2	22.2	22.2	35.8	23.5	15.2	28.4	31.3	28.1	0	13.3	0	0	0	0	0	0	0
We cannot afford the devices	1.1	5.9	2.9	5.3	0	0	0	0	0	0	0	0	0	6.3	3.1	0	0	0	0	0	0	0	0	0	0	0	0	0
We don't need it, we use internet via smartphone / tablet	13.9	8.8	20	31.6	15.6	4.5	7.4	22.2	11.1	17.6	11.8	33.3	8.8	25	9.4	20	20	54.5	10	10	10	10	10	10	10	10	10	10
We don't need it, we use internet from other places	38.1	32.4	28.6	42.1	18.8	68.2	40.7	22.2	11.1	52.9	35.3	45.5	44.1	18.8	31.2	60	33.3	91	60	40	71.4	35.4	60	40	71.4	35.4	60	40
We are not interested	3.7	2.9	0	2.6	0	0	7.4	0	11.1	0	5.9	0	5.9	0	0	20	0	9.1	0	0	14.3	11.8	0	0	14.3	11.8	0	0
The decision maker in the home doesn't want it	2.9	2.9	0	7.4	0	0	7.4	0	11.1	0	0	0	0	6.2	0	0	0	2.9	0	0	0	0	0	0	0	0	0	0
It's temporary, we will put internet soon	3.1	0	0	0	3.1	0	7.4	11.1	22.2	5.9	0	0	2.9	0	6.2	0	20	0	30	0	0	0	30	0	0	0	0	0
To save, it's expensive	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.7	0	0	0	0	0	0	0	0	0	0
We use the neighbour's Wi-Fi	1.3	0	5.7	0	3.1	3.1	0	11.1	11.1	0	0	3	0	0	5.7	0	0	9.1	0	0	20	0	0	0	20	0	0	0
Other replies	2.1	8.8	0	2.6	0	0	3.7	0	0	5.9	0	0	0	6.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Doesn't know	0.7	0	0	0	0	3.7	0	0	0	5.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Doesn't reply	0.3	2.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total base	5000	157	52	49	76	100	163	135	131	163	120	129	97	142	206	143	74	35	133	165	140	133	165	140	133	165	140	133
P2. DO YOU PERSONALLY HAVE A SMARTPHONE?																												
Yes	84.5	82.8	73.4	83.6	74.2	80.5	85	95.3	89.8	86.2	70.3	75.8	86.7	82.8	85.3	85.9	89.8	87.5	92.2	93	94.5	80.5	92.2	93	94.5	80.5	92.2	93
No	15.4	17.2	26.6	16.4	25.8	19.5	15	4.7	10.2	13.8	29.7	24.2	13.3	17.2	14.7	14.1	10.2	12.5	7.8	7	5.5	19.5	7.8	5.5	19.5	7.8	5.5	19.5
Doesn't know	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Smartphone owner base	4227	130	39	41	56	80	138	129	117	156	85	96	84	116	176	123	67	30	123	154	122	90	123	154	122	90	123	90
P2-A. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?																												
Yes	91.8	73.6	89.4	91.6	89.5	97.1	88	98.4	90.4	96.4	87.8	91.8	87.4	85.8	84.5	96.4	93	99.1	94.9	95	99.2	94.2	94.9	95	99.2	94.2	94.9	95
No	7.6	26.4	10.6	7.5	10.5	2.9	12	1.6	7	1.8	11.1	6.2	12.6	10.4	15.5	3.6	7	0.9	5.1	5	0.8	4.9	5.1	5	0.8	4.9	5.1	
Doesn't know	0.7	0	0	0.9	0	0	0	0	2.6	1.8	1.1	2.1	0	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not data plan base	573	24	4	8	6	2	17	5	8	5	9	6	11	12	27	4	6	0	6	0	8	1	6	0	8	1	6	0
P2-B. FOR WHAT REASON?																												
I cannot afford it	17.9	21.4	0	37.5	10	0	7.7	5.2	0	0	0	10	0	9.1	23.5	25	0	0	0	0	16.7	0	0	0	16.7	0	0	0
It's not necessary, I have enough with Wi-Fi	38	17.9	80	12.5	80	33.3	30.6	0	35	17.6	42.9	75	12.5	63.6	58.7	75	12.5	20	33.3	0	40	40	33.3	0	40	40	33.3	0
It's not necessary, I don't need internet on the mobile	26	17.9	10	50	0	0	38.5	0	50	50	40	16.7	21.4	27.3	17.6	0	50	0	66.7	16.7	0	20	66.7	16.7	0	20	66.7	16.7
There is no mobile data coverage in my home	0.2	0	0	0	0	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I don't want to be tied to a company / I prepaid	4.6	3.6	0	1.4	18.8	21	25.7	1.6	31.5	34.5	31.5	25.7	1.6	31.5	29.8	31.5	25.7	1.6	31.5	21.7	31.5	21.7	31.5	21.7	31.5	21.7	31.5	21.7
I don't know how to use it	1.9	0	0	0	0	0	15.4	0	0	0	0	0	14.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
To save / It's expensive	3.7	3.6	0	0	0	0	0	0	0	0	10	0	0	0	0	0	12.5	0	0	16.7	0	0	16.7	0	0	16.7	0	0
Other replies	2.8	7.1	0	0	0	0	0	0	12.5	0	0	0	0	4.2	5.3	10	0	0	0	7.1	0	0	7.1	0	0	7.1	0	0
Doesn't know	4.8	28.6	0	0	0	0	0	0	12.5	0	10	0	0	0	0	0	0	0	0	0	100	0	0	0	100	0	0	100
Total base	5000	157	52	49	76	100	163	135	131	163	120	129	97	142	206	143	74	35	133	165	140	133	165	140	133	165	140	133
P3. WHEN WAS THE LAST TIME YOU USED INTERNET?																												
Today or yesterday	85.4	89.8	80.5	82.8	82.8	81.3	77.2	94.6	90.6	90	78.1	77.3	74.2	86.7	79.1	82	87.5	93.7	88.3	91.1	93	86.7	88.3	91.1	93	86.7	88.3	91.1
In the last week	3.6	0	4.7	0	6.2	2.3	7.9	3.1	4.7	1.5	7.8	6.2	6.2	4.7	6.2	10.9	2.3	3.1	3.1	0.8	3.1	2.3	3.1	0.8	3.1	2.3	3.1	2.3
Between two and four weeks ago	1.7	0.8	0.8	0.8	1.6	3.9	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.5	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	0.8	0.8	0.8	1.6	0.8	1.

GREATER DISTRICT																									
Vila de Gaúla	Gracia Nova	Camp d'en Grassot	Guinardó	Cornel	Cant Baró	Barrio de la Vall d'Albion	Horta	La Font d'en Fargues	Porta	Vilaplina	El Turó de la Pena	Cant Farguera	Verdun	Guinesta	Prosperitat	Cunyelles	Trinitat Nova	Vallbona	Torre Baró	Cluit Meridiana	Bar Pastor	Trinitat Vella	Baró de Viver	Sant Andreu	Noves
160	106	190	126	87	109	203	161	92	44	77	177	202	208	77	142	133	168	160	106	190	126	87	109	203	161
89.1	85.2	88.4	78.1	75	91.4	79.1	76.6	70.3	61.7	79.7	80.6	88.4	86.8	92.2	82.8	82.8	77.5	10.9	14.8	11.6	21.9	25	8.6	20.9	23.4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	90	168	98	65	99	160	123	65	27	61	142	178	180	71	118	110	128	160	106	190	126	87	109	203	161
54.4	53.2	43.9	42	29.2	45.3	41.2	46.9	31.1	44.3	44.1	35.6	45.6	35.7	37.3	49.1	31.1	21	0	0	0	0	0	0	0	0
37.7	46.8	50	49	64.6	50.4	50	49	61.1	50.6	51	57.7	41.2	63.4	58.5	46.2	67.9	72	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.9	0	8.1	9	5.2	3.4	8.8	4.1	4.4	3.8	4.9	6.7	11.4	0.9	3.4	3.8	0	0	0	0	0	0	0	0	0	0
16	22	27	22	0	42	38	27	17	16	24	27	0	24	0	23	37	160	106	190	126	87	109	203	161	92
0	0	0	7.1	3.1	0	0	0	0	10.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35.7	21.1	33.3	0	12.5	18.2	25.9	3.3	32.4	42.9	34.6	16	33.3	17.6	30	18.2	0	0	0	0	0	0	0	0	0	0
0	0	0	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.1	2.1	26.7	10.7	15.6	9.1	11.1	20	21.6	10.2	15.4	8	6.7	0	30	0	0	0	0	0	0	0	0	0	0	0
7.1	5.3	0	7.1	3.1	18.2	6.7	7.4	6.7	5.4	0	3.8	12	23.5	0	50	4.5	10.3	0	0	0	0	0	0	0	0
28.6	47.4	13.3	53.6	46.9	18.2	48.1	20	29.7	12.2	38.5	64	33.3	41.2	10	22.7	50	41.4	0	0	0	0	0	0	0	0
0	0	20	0	6.3	9.1	3.7	20	2.7	2	0	0	0	0	0	0	4.5	0	0	0	0	0	0	0	0	0
7.1	0	6.7	3.6	3.1	0	3.7	10	8.2	3.8	0	0	0	0	0	0	4.5	3.4	0	0	0	0	0	0	0	0
0	0	0	3.6	0	9.1	0	0	0	2.7	4.1	0	0	17.6	0	0	4.5	0	0	0	0	0	0	0	0	0
0	0	0	10.7	0	9.1	0	6.7	0	0	0	0	0	0	0	0	22.7	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2.7	0	0	0	0	30	0	4.5	0	3.4	0	0	0	0	0	0	0	0
14.3	5.3	0	0	3.1	9.1	0	3.3	0	4.1	3.8	0	6.7	0	0	0	4.5	0	0	0	0	0	0	0	0	0
0	0	0	6.3	0	0	0	0	0	0	0	0	0	0	0	0	4.5	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5	0	0	0	0	0	0	0	0	0
160	106	190	126	87	109	203	161	92	44	77	177	202	208	77	142	133	168	160	106	190	126	87	109	203	161
84.4	90.6	89.1	79.7	83.6	85.2	88.4	87.5	80.5	88.3	85.9	78.3	74.4	80.6	97.7	79.7	88.3	80.6	15.6	9.4	10.9	19.5	16.4	14.8	11.6	12.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	96	168	100	73	93	179	141	74	38	66	138	191	187	76	113	116	133	160	106	190	126	87	109	203	161
86.1	92.2	93.9	96.1	86	94.5	97.9	93.8	89.3	61.9	92.7	90.1	90.6	95.2	93.1	93.8	93.3	13.9	2.6	5.2	2.9	12.1	5.5	2.6	6.2	10.7
0	5.2	0.9	1	1.9	0	0	0	0	0	0.9	1	1	0	0.8	0	6.7	0	0	0	0	0	0	0	0	0
16	2	9	3	0	0	6	0	6	15	4	12	15	8	6	6	9	160	106	190	126	87	109	203	161	92
13.3	0	0	0	23.1	66.7	33.3	28.6	9.1	51.2	0	44.4	12.5	0	80	28.6	14.3	0	20	0	83.3	0	15.4	16.7	33.3	0
40	100	16.7	0	38.5	16.7	33.3	0	54.5	11.6	57.1	11.1	37.5	20	0	57.1	14.3	0	6.7	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.3	0	0	33.3	15.4	0	0	0	2.3	0	0	0	0	0	0	0	14.3	0	6.7	33	0	33.3	7.7	0	0	0
0	0	0	33.3	0	0	0	0	0	4.7	0	0	0	0	0	0	14.3	0	0	0	0	0	0	0	0	0
160	106	190	126	87	109	203	161	92	44	77	177	202	208	77	142	133	168	160	106	190	126	87	109	203	161
90.6	87.5	89.1	75.8	82	84.4	86	85.2	78.1	85.2	85.2	79.1	84.5	88.4	97.7	86.7	85.9	82.9	0.8	3.1	4.7	0	2.3	6.3	0.8	1.6
0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1.6	0.8	0.8	0.8	0.8	0	0.8	0.8	0.8	0.8	0	0.8	2.3	0.8	0	0	0	0	0	0	0	0	0
0.8	2.3	0.8	5.5	0.8	0	0.8	0.8	0	0.8	0	0.8	0	0	0	0	0.8	0	0	0	0	0	0	0	0	0
1.6	0.8	0	3.1	0.8	0.8	0.8	0.8	0	0.8	0	2.3	4.7	0.8	1.6	0	0.8	0	0	0	0	0	0	0	0	0
4.7	5.5	5.4	10.9	13.3	5.5	9.3	11.7	16.4	9.4	9.4	14	5.4	7.8	0	7	7.8	10.1	0.8	0	0	0	0	0	0	0
148	97	178	101	74	102	181	140	77	39	70	147	182	190	76	132	123	146	160	106	190	126	87	109	203	161
83.9	93.2	93.4	94.2	89.9	86.7	94.8	94.6	91.6	92.2	83.6	89.7	75	89	97.6	90.8	97.5	87.7	3.9	32.5	31.4	32	22.9	40	20	28.8
68.6	64.1	55.4	59.2	34.9	53.3	41.7	50.5	39.3	47	48.3	47.7	45.7	63.6	60.3	68.9	71.2	37.7	17.8	38.5	30.6	41.7	24.8	24.3	29.7	
0	19.7	14.9	1	7.3	8.3	15.7	11.7	4.7	7.8	7.8	5.6	15.5	34.7	6.3	30.3	1.7	8.8	0	0	0	0	0	0	0	0
0	3.4	1.7	0	0.9	0	3.5	6.3	0	5.2	0.9	1.9	0	5.1	0	2.5	0.8	0	0	0	0	0	0	0	0	0
1.7	5.1	3.3	3.9	2.8	2.5	2.7	7.5	4.7	1.7	3.4	4.7	0.9	1.7	1.6	11	4.4	0	0	0	0	0	0	0	0	0
3.4	3.4	3.3	1.9	1.8	1.7	2.6	2.7	1.9	1.7	0	4.7	0	1.7	3.2	0.8	0	5.3	0	0	0	0	0	0	0	0
0	0.9	0	0	0	1.7	0.9	0	1.8	20.9	0.9	0.8	0	0	1.7	0	0	0	0	0	0	0	0	0	0	0
0	1.7	0.8	0	0.9	0	0.9	0.9	2.8	0.6	0.9	0	1.7	0.8	1.8	2.5	0.8	1.8	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0.9	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.8	0	0	0	0	0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	1.7	0	0	0	0	0	0	0	0	0
96.6	93.2	95.9	89.3	88.1	91.7	86.1	84.7	72	84.3	76.7	86	88.8	94.1	92.9	87.4	92.4	81.6	3.4	6.8	4.1	0	11.9	8.3	13.9	15.3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54.2	47	57	39.8	36.7	44.2	41.7	32.4	42.1	37.4	34.5	43	38.7	59.3	59.5	62.2	40.7	43.9	44.9	53	43	60.2	63.3	55.8	58.3	67.6
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82.2	71.8	78.5	82.5	72.5	75.8	79.1	77.5	68.2	74.8	69.8	77.6	71.6	67.8	81	69.7	78	74.6	17.8							

	TOTAL		SEX		AGE							NATIONALITY		EDUCATION LEVEL					OCCUPATION					
	Men	Woman	16-24	25-34	35-44	45-54	55-64	65-74			Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	NR		
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
D1. DISTRICT																								
Ciutat Vella	6,7	7,5	5,9	6,7	9,8	7,6	6,1	4,7	3,9		4,4	16,6	6,7	5,6	7,9	0	6,4	10,3	4,4	9,1	7,3	0		
Eixample	16,6	16,2	17	15,9	18,1	16,2	15,8	17,1	16,5		16,1	19	13,7	15,9	19,4	0	17,1	12,5	16,6	16,2	19,2	0		
Santa-Montjuïc	11,5	11,7	11,3	11,2	12,4	11,4	11,4	11,7	10,5		11,2	13	14,7	13,1	7,5	53	11,8	12,1	10,8	11,9	10,1	0		
Les Corts	5	4,9	5,2	5,3	4,6	4,4	4,6	5,7	6,4		5,4	3,3	3	6,2	5,1	0	5,1	3,9	5,4	6,4	4,6	0		
Sarrià-Sant Gervasi	9,8	8,4	9,1	10,9	7,5	7,7	9,2	9,2	8,5		9,4	5,6	4	6,6	14,4	0	9,4	4,2	8,6	8,6	11,1	0		
Gràcia	7,6	7,2	7,8	6,6	8,3	8	7,1	7,4	7,4		7,7	6,7	4,9	6,3	10,7	0	7,9	7	8	5,6	6,5	0		
Horta-Guinardó	10,2	10,1	10,3	10	9,2	10,1	10,7	10,4	11,3		10,8	7,6	10,3	11,9	8,2	47	10,2	10,5	11,2	10,9	7,8	32		
Nou Barris	10	9,9	10	10,6	8,8	9,9	10,5	9,6	11		10,2	9	15,6	10,3	5,9	0	9,1	13,9	10,5	7,4	10,8	68		
Sant Andreu	9,1	9,2	9,1	9	8	9,3	9,5	9,3	9,8		9,9	5,9	11	9,5	7,4	0	8,3	10,5	10,6	9,5	9,4	0		
Sant Martí	14,5	14,7	14,3	14	13,3	15,3	15,2	15	13,8		14,8	13,1	16	14,6	13,4	0	14,8	15,1	13,9	14,3	13,2	0		
D2. GREATER DISTRICT																								
El Raval	3,1	3,7	2,6	3,5	4,4	3,7	3	2	1,6		1,9	8,6	1,9	2,3	4,9	0	3	5,3	1,7	3,5	4,5	0		
El Barri Gòtic	1	1,2	0,9	1	1,6	1,1	0,9	0,8	0,6		0,7	2,6	1,3	0,9	0,9	0	1	1,3	0,7	1,5	1,2	0		
La Barceloneta	1	1	0,9	0,9	1,4	1	0,8	0,8	0,7		0,8	1,8	1,5	0,9	0,7	0	0,9	1,4	1	1,2	0,5	0		
Sant Pere, Santa Caterina i la Ribera	1,5	1,6	1,4	1,3	2,3	1,7	1,3	1,1	1		1	3,6	2,1	1,3	1,4	0	1,5	2,2	1	2,9	1,1	0		
El Fort Pienc	2	1,9	2,1	1,9	2,2	1,9	1,9	2	2		1,9	2,4	1,8	2	2	0	2,1	1,5	1,8	2,9	1,8	0		
La Sagrada Família	3,3	3	3,5	2,9	3,3	3,3	3,1	3,4	3,4		3,2	3,7	3,8	3,7	2,4	0	3,3	1,8	4,2	3,6	2,9	0		
La Dreta de l'Eixample	2,7	2,7	2,8	2,8	2,9	2,7	2,5	2,9	2,5		2,6	3,3	1,8	1,5	4,7	0	2,9	2,3	2,6	1,7	2,6	0		
L'Antiga Esquerra de l'Eixample	2,6	2,6	2,7	2,5	3,1	2,6	2,5	2,5	2,4		2,5	3,1	1,5	2,1	3,9	0	2,5	2,6	2,3	1,3	4,9	0		
La Nova Esquerra de l'Eixample	3,7	3,6	3,7	3,7	4	3,3	3,4	4	3,8		3,7	3,6	2,3	3,8	4,4	0	3,8	2,5	3,5	5,2	3,8	0		
Sant Antoni	2,4	2,5	2,4	2,1	2,7	2,4	2,4	2,3	2,4		2,3	3	2,6	2,7	1,9	0	2,6	1,7	2,2	1,5	3,2	0		
El Poblet Sec	2,6	2,7	2,5	2,3	3,2	2,9	2,6	2,2	1,9		2,1	4,5	3,3	2,6	2,1	0	3	3,1	1,6	2,1	1,8	0		
La Marina	1,9	2	1,9	2,3	1,7	1,9	2,2	1,9	1,8		2	1,6	3,2	2,2	0,8	53	1,9	1,9	1,9	2,8	1,7	0		
La Font de la Guàrdia, Hostafrancs, i la Bordeta	2,8	2,8	2,8	2,7	3,1	2,7	2,7	3,1	2,8		2,8	2,8	2,1	3,7	2,4	0	2,7	3	2,9	3,2	3,3	0		
Sants i Santa-Adal	4,1	4,2	4,1	3,9	4,4	4	3,9	4,5	4		4,1	4,1	6,2	4,7	2,1	0	4,2	4	4,5	3,9	3,3	0		
Les Corts	2,9	2,8	2,9	2,9	2,6	2,5	2,6	3,3	3,7		3,1	1,8	2	4	2,2	0	3	2,2	2,8	4,6	2	0		
La Maternitat i Sant Ramon	1,5	1,4	1,5	1,4	1,5	1,3	1,3	1,7	1,9		1,6	0,9	0,8	1,8	1,6	0	1,5	1,2	1,8	0,7	1,6	0		
Pedralbes	0,7	0,7	0,7	0,9	0,5	0,6	0,7	0,8	0,8		0,7	0,6	0,2	0,4	1,3	0	0,6	0,5	0,8	1,1	1	0		
Sarrià, les Tres Torres i Vallvidrera	2,7	2,6	2,7	3,5	2,1	2,4	2,9	2,8	2,8		2,9	1,8	1,7	1,8	4,3	0	2,9	1,3	2,3	3	3,8	0		
Sant Gervasi-la Bonanova i el Putxet	3,3	3,2	3,4	3,9	3	3	3,3	3,5	3,6		3,6	2,2	1,5	3	4,8	0	3,3	1,9	4,1	2,1	4,1	0		
Sant Gervasi-Galvany	2,8	2,6	3	3,5	3	2,3	3	2,9	3,1		2,4	1,8	0,7	1,8	5,2	0	3,2	1	2,2	3,5	3,2	0		
Vallcarlos, el Coll i la Salut	2,2	2,1	2,3	2,1	1,8	2,1	2,2	2,3	2,5		2,2	1,6	1,9	1,9	2,7	0	2,3	1,9	2,6	1,4	1,8	0		
La Vila de Gràcia	3,2	3,1	3,3	2,6	4,1	3,7	2,9	2,7	2,6		3,1	3,6	0,9	2,5	5,4	0	3,5	3,2	2,8	1,5	2,8	0		
El Camp d'en Grassot i Gràcia Nova	2,1	2,1	2,2	1,9	2,1	2,1	2	2,3	2,3		2,3	1,6	1,9	1,9	2,6	0	1,9	2,3	2,7	1,9	0			
El Guinardó	3,8	3,7	3,9	3,6	3,6	3,8	3,9	3,9	3,9		3,9	3,1	2,3	4,3	4,2	0	4	3,8	3	3	2	0		
El Carmel i Can Baró	2,5	2,5	2,5	2,4	2,3	2,5	2,6	2,5	2,8		2,7	1,9	4	3,1	0,8	0	2,4	2,5	2,8	4,4	1,8	0		
Elis Barris de la Vall d'Hebron	1,7	1,7	1,7	1,8	1,5	1,7	2	1,6	1,9		1,8	1,4	2,2	2	1,1	47	1,6	1,3	2,1	2,5	1,7	36		
Horta i la Font d'en Fargues	2,2	2,1	2,2	2,2	1,8	2	2,3	2,3	2,6		2,4	1,2	1,7	2,5	2,1	0	2,1	2,5	2,5	1	2,3	0		
Vilafranca, Porta, el Turó de la Peira i Can Peguera	4,1	4,1	4,1	3,5	4,1	4,3	4	4,4	5		4,1	3,7	5	4	3,5	0	3,9	5,7	4,1	1,9	4,3	0		
La Guineueta, Verdun i la Prosperitat	3,2	3,2	3,3	3,3	2,8	3,1	3,3	3,1	3,9		3,4	2,4	4,8	3,9	1,5	0	2,9	4,3	3,3	3,1	3,7	0		
Canyelles, les Roquetes i la Trinitat Nova	1,8	1,9	1,8	2	1,7	1,8	1,9	1,9	1,8		1,9	1,7	4,3	1,5	0,6	0	1,6	2,6	2,3	1,2	1,5	68		
Torre Baró, Ciutat Meridiana i Vallbona	0,9	0,9	0,8	1,1	0,9	0,9	0,9	0,7	0,8		0,8	1,2	1,5	1	0,3	0	0,7	1,3	0,9	1,2	1,4	0		
La Trinitat Vella, Baró de Viver i el Bon Pastor	1,5	1,6	1,4	1,8	1,4	1,6	1,7	1,2	1,2		1,4	1,4	3,4	1,4	0,4	0	1,5	1,7	1,5	1,7	1,4	0		
Sant Andreu	3,5	3,6	3,5	3,1	2,9	3,8	3,6	3,8	3,9		4	1,5	4,8	3,7	2,4	0	3,3	3,7	4,3	3,3	3,1	0		
La Sagrera, el Congrés i Navas	4,1	4	4,1	3,7	3,8	4,2	4,2	4,7	4,7		4,3	2,8	2,8	4,4	4,6	0	3,4	5,1	4,8	4,5	5	0		
El Clot i el Camp de l'Arpa	4,2	4,1	4,2	3,9	3,9	4,2	4,1	4,5	4,3		4,3	3,6	3,4	4,5	4,3	0	4,3	3,8	3,8	5,2	4	0		
El Parc, la Llacuna i la Vila Olímpica	1,5	1,6	1,5	1,7	1,5	1,5	1,6	1,7	1,3		1,5	1,7	0,6	1,7	2	0	1,7	1,3	1,5	0,5	1,5	0		
El Poblenou i Diagonal Mar	2,8	2,9	2,8	2,3	2,6	3,8	3,2	2,4	2,1		2,8	2,8	2,6	3	2,8	0	2,9	3,4	2,9	2,3	2	0		
El Besòs, el Marçaleu i Provençals	2,7	2,8	2,5	2,9	2,6	2,7	2,9	2,8	2		2,6	3	4,1	2,4	2	0	2,6	3,2	1,8	4,2	3,1	0		
Sant Martí, la Vermeda i la Pau	3,3	3,3	3,3	3,1	2,7	3,2	3,4	3,6	4		3,6	2	5,4	3	2,2	0	3,3	3,5	4	2,1	2,6	0		
D3. SEX																								
Men	48,3	100	0	51,2	49,3	50,5	48,2	45,9	43,7		46,9	54,4	50,8	49,1	45,7	53	50,9	53,7	48,4	0	50,8	100		
Women	51,7	0	100	48,8	50,7	49,5	51,8	54,1	56,3		53,1	45,6	49,2	50,9	54,3	47	49,1	46,3	51,6	100	49,2	0		
D4. AGE																								
16 to 24	10,7	11,3	10,1	100	0	0	0	0	0		11	9,1	17,3	13,5	3,1	0	4,3	5,7	0	1,2	85,1	32		
25 to 34	18,9	19,3	18,5	0	100	0	0	0	0		14,8	36,6	14,4	16,7	24,4	0	25,3	22	0,3	15,3	13,1	0		
35 to 44	22,4	23,5	21,5	0	0	100	0	0	0		20,2	32,1	13,8	21,3	29,5	0	30,3	31,5	2,5	20,1	1,5	34		
45 to 54	18,8	18,8	18,9	0	0	0	100	0	0		19,8	14,6	12,8	21,2	20,1	53	24,4	24,2	4	28,7	0,3	0		
55 to 64	15,7	14,9	16,4	0	0	0	0	100	0		17,8	6,4	16,7	17	13,5	0	15,1	16,6	22,2	25,1	0	34		
65 to 74	13,5	12,2	14,7	0	0	0	0	0	100		16,4	1	25,1	10,2	9,4	47	0,7	0	70,9	9,6	0	0		
D5. NATIONALITY																								
Spanish	77,1	74,6	79,5	78,6	59,4	67,8	80,8	89,3	97,1		95,1	0	76,8	78,2	76,1	100	74,3	68,3	96,7	69,1	71,5	66		
Spanish + other	4	4,2	3,8	5,2	4,1	5,1	4,4	3,1	1,5		4,9	0	4	4,6	3,4	0	4,4	5,3	1,3	3,9,				

	TOTAL	USAGE TYPE					GREATER DISTRICTS BY HOUSEHOLD INCOME										DISTRICT									
		Hyperconnected	Advanced	Intermediate	Basic	Sporadic	Nonuser	H/I low (<60)	H/I middle-low (60-90)	H/I middle (90-110)	H/I middle-high (110-140)	H/I high (>140)					Ciutat Vella	Eixample	Sans-Montjuïc	Les Corts	Sarrià-Sant Gervasi	Gràcia	Horta-Guinardó	Nou Barris	Sant Andreu	Sant Martí
Pop / Area	8060	467	1071	1735	1041	212	475	576	2177	912	727	608	334	622	575	252	438	378	511	444	456	725				
ID1. DISTRICT																										
Ciutat Vella	6,7	5,9	6,8	6,4	7,2	6,7	7	0	9,5	14	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0
Eixample	20,7	17,5	16,1	15,5	16,1	16,1	14,6	0	0	62,1	18	22,3	0	100	0	0	0	0	0	0	0	0	0	0	0	0
Sans-Montjuïc	11,5	10,1	8,5	11,8	13,3	11,8	14,5	0	26,4	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0
Les Corts	5	3,2	5,6	6	5	3,3	3,2	0	0	0	29,9	5,7	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Sarrià-Sant Gervasi	8,8	11,2	13,1	10,1	4,1	3,2	4,4	0	0	0	0	7,1	0	0	0	0	100	0	0	0	0	0	0	0	0	0
Gràcia	7,6	7,4	7,9	8,7	6,2	5,6	6,8	0	0	23,9	22	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0
Horta-Guinardó	10,2	7,8	9,6	11,5	9,2	9,4	11,8	0	23,5	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0
Nou Barris	10	6,5	9,1	8,5	12	17,4	13,3	86,7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0
Sant Andreu	9,1	5,6	4,8	9	14	9,1	12,2	13,3	17,4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0
Sant Martí	14,5	21,5	17,1	12	13,6	15,4	12,3	0	23,2	0	30,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
ID2. GREATER DISTRICT																										
El Raval	3,1	1,8	3,1	3,7	3,3	1,7	2,8	0	7,2	0	0	0	0	47,1	0	0	0	0	0	0	0	0	0	0	0	0
El Barri Gòtic	1	1,3	1	0,9	1,3	0,6	1,1	0	0	5,8	0	0	0	15,7	0	0	0	0	0	0	0	0	0	0	0	0
La Barceloneta	1	0,6	1,1	0,7	1	1,6	1,7	0	2,2	0	0	0	0	14,6	0	0	0	0	0	0	0	0	0	0	0	0
Sant Pere, Santa Caterina i la Ribera	1,5	2,1	1,6	1,1	1,6	2,8	1,4	0	0	8,3	0	0	0	22,6	0	0	0	0	0	0	0	0	0	0	0	0
El Fort Pienc	2	1,3	1,6	2,4	2	1,1	2,5	0	0	11	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
La Sagrada Família	3,3	1,1	2,6	3,5	3,4	4,8	4,6	0	17,8	0	0	0	0	19,5	0	0	0	0	0	0	0	0	0	0	0	0
La Dreta de l'Eixample	2,7	7,6	3	2,4	1,9	2	0,2	0	0	0	0	22,3	0	0	16,3	0	0	0	0	0	0	0	0	0	0	0
L'Antiga Esquerra de l'Eixample	2,6	2	3,3	3	2,7	1,5	0,7	0	0	0	18	0	0	0	15,7	0	0	0	0	0	0	0	0	0	0	0
La Nova Esquerra de l'Eixample	3,7	6,6	5,4	3,8	2,2	3,3	3,3	0	20,1	0	22	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0
Sant Antoni	2,4	2	1,6	1,9	3,3	5,3	3,4	0	0	13,2	0	0	0	0	13,2	0	0	0	0	0	0	0	0	0	0	0
El Poble Sec	2,6	2,8	2	2,2	3,1	2,4	4	0	5,9	0	0	0	0	0	22,5	0	0	0	0	0	0	0	0	0	0	0
La Marina	1,9	0,8	1,3	2,1	2	2,5	3,5	0	2	2,5	4,5	0	0	0	15,9	0	0	0	0	0	0	0	0	0	0	0
La Font de la Guatlla, Hostafrancs, i la Bordeta	2,8	3,1	2,5	2,9	3,4	3,1	1,9	0	6,5	0	0	0	0	0	24,7	0	0	0	0	0	0	0	0	0	0	0
Sants i Santa-Badal	4,1	3,4	2,7	4,6	4,8	3,8	5,1	0	9,5	0	0	0	0	0	35,9	0	0	0	0	0	0	0	0	0	0	0
Les Corts	1,2	2,9	3,8	2,9	2,1	1,7	0	0	19,7	0	18,7	0	0	0	56,9	21	17	0	0	0	0	0	0	0	0	0
La Maternitat i Sant Ramon	1,5	0,7	2	1,5	1,0	0,8	1,3	0	0	0	10,2	0	0	0	0	29,4	0	0	0	0	0	0	0	0	0	0
Pedralbes	0,7	1,2	0,9	0,6	0,6	0,4	0,2	0	0	0	0	5,7	0	0	0	13,7	0	0	0	0	0	0	0	0	0	0
Sarrià, les Tres Torres i Vallvidrera	2,7	2,4	3,9	3,8	1,7	1,5	2,2	0	0	0	0	21,9	0	0	3,8	17	30,4	0	0	0	0	0	0	0	0	0
Sant Gervasi-la Bonanova i el Putxet	3,3	3,9	5,7	3,7	1,4	1,2	1,1	0	0	0	0	27,2	0	0	0	0	37,7	0	0	0	0	0	0	0	0	0
Sant Gervasi-Galvany	2,8	4,9	5,1	2,6	1,9	0,5	1,1	0	0	0	0	23	0	0	0	0	31,9	0	0	0	0	0	0	0	0	0
Vallcarlos, el Coll i la Salut	2,2	1,3	2,4	2,6	1,9	2,1	2,2	0	0	12,2	0	0	0	0	0	0	0	29,5	0	0	0	0	0	0	0	0
La Vila de Gràcia	3,2	2,4	3,3	4,2	2,5	1,2	2,6	0	0	0	22	0	0	0	0	0	0	42,4	0	0	0	0	0	0	0	0
El Camp d'en Grassot i Gràcia Nova	2,1	3,7	2,2	1,8	2,4	1,9	0	0	11,7	0	1,9	0	0	0	0	0	28,1	0	0	0	0	0	0	0	0	0
El Guinardó	3,8	3,5	4,8	4,1	3,2	2,8	2,5	0	8,7	0	0	0	0	0	0	0	0	37,1	0	0	0	0	0	0	0	0
El Carmel i Can Baró	2,5	1,3	2,1	2,8	1,8	2,8	5,2	0	5,8	0	0	0	0	0	0	0	0	24,6	0	0	0	0	0	0	0	0
El Barri de la Vall d'Hebron	1,7	0,6	0,6	2	2,4	2,2	2,7	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Horta i la Font d'en Fargues	2,2	2,5	2,1	2,6	1,8	1,6	1,4	0	5	0	0	0	0	0	0	0	0	0	21,3	0	0	0	0	0	0	0
Vilapicina, Porta, el Turó de la Peira i Can Peguera	4,1	2	3,5	4,1	4,5	7,4	4,6	35,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
La Guineueta, Verdun i la Prosperitat	3,2	3,2	3,5	2,1	3,9	4,8	4,5	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canyelles, les Roquetes i la Trinitat Nova	1,8	0,8	1,3	1,5	2,5	3,7	3,2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Torre Baró, Ciutat Meridiana i Vallbona	0,9	0,4	0,8	0,8	1,1	1,4	0,9	7,6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
La Trinitat Vella, Baró de Viver i el Bon Pastor	1,5	0,6	0,4	1,9	2,5	1,4	1,5	13,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sant Andreu	3,5	2,6	3,1	3	4,1	3,2	6,3	0	8,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
La Sagrera, el Congrés i Navas	4,1	2,4	1,3	4,1	7,4	4,5	4,3	0	9,3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
El Clot i el Camp de l'Arpa	4,2	8,6	5,1	3,1	3,6	2,3	3,7	0	9,5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
El Parc, la Llacuna i la Vila Olímpica	1,5	1,8	2,1	1,6	1,3	1,4	0,3	0	0	0	10,6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
El Poblenou i Diagonal Mar	2,8	5,7	3,1	2,1	2,5	4,7	2,1	0	0	0	19,5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
El Besòs, el Marçnou i Provençals	2,7	3,8	4,1	2	1,7	3,9	2,2	0	6,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sant Martí, la Verneda i la Pau	3,3	1,6	2,7	3,2	4,6	3	4	0	7,6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ID3. SEX																										
Men	48,3	53,1	47,1	49,8	47,8	42,3	44,2	48,5	49,3	47,7	47,5	46,4	54,5	47,1	49,2	46,9	46,1	46,3	47,8	48	48,6	49,1				
woman	51,7	46,9	52,9	50,2	52,2	57,7	55,8	51,5	50,7	52,3	52,5	53,6	45,5	52,9	50,8	53,1	53,9	53,7	52,2	52	51,4	50,9				
ID4. AGE																										
16 to 24	10,7	17,3	14,4	12,8	7	0,8	0	11,5	10,5	9,9	9,8	12,7	10,7	10,2	10,3	11,1	13,2	9,3	10,4	11	10,5	10,3				
25 to 34	18,9	20,5	21,7	23,7	17	7,4	2,8	16,8	18,7	21,1	19,9	17	27,7	20,6	20,3	17,3	16,2	20,8	17	17	16,5	17,4				
35 to 44	22,4	30,2	25,5	24,1	21,9	17,9	5,1	22,8	22,6	22,3	23,6	20,3	25,6	21,9	22,3	19,4	19,8	23,8	22,1	22	22,9	23,7				
45 to 54	18,8	23,8	19,3	17,5	20,8	19,1	13,2	19,9	19,1	17,8	16,3	19,1	17,1	17,8	16,6	17,2	19,7	17,6	19,7	20	19,7	19,7				
55 to 64	15,7	7,4	13,3	14,4	18,5	26,9	22,7	14,8	15,8	15,6	15,4	16,6	10,9	16,1	16	17,9	16,4	15,3	15,9	15	15,9	16,2				
65 to 74	13,5	0,9	5,8	7,4																						

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[illegible]

TOTAL RESULTS BY LOW INCOME DISTRICTS

	TOTAL		SEX		AGE		NATIONALITY		EDUCATION LEVEL				OCCUPATION					USAGE TYPE								
	Men	Woman							Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	NR	Hyperconnected	Advanced	Intermediate	Basic	Spontic	Nonuser
Total base	576	280	297	66	97	131	115	85	82	476	100	226	237	113	306	87	106	22	54	1	33	102	180	151	40	70
P1. IS YOUR HOME CONNECTED TO INTERNET?																										
Yes	75.7	73.9	77.4	88.5	74.6	84.8	81.3	73.7	46.8	78.9	60.8	60.1	81.8	94.3	84	67	56.2	66.6	86.1	50	100	98.1	87.3	69.5	62.4	22.9
No	24.1	26.1	22.5	11.5	25.4	15.2	18.7	26.4	53.0	21	39.2	39.9	18.2	5.7	16	33	43.8	33.2	13.9	50	0	1.9	12.7	30.5	37.6	76
Doesn't reply	0.1	0	0.2	0	0	0	0	0.8	0	0.2	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	1
Connected home base	436	207	230	89	72	111	93	63	39	376	61	136	194	107	257	58	60	15	46	1	33	100	157	105	25	16
P1-A. VIA WHAT TYPE OF CONNECTION?																										
ADSL / VDSL / SDSL	41.9	40.6	43.1	44.5	48.7	43.6	44.6	39.1	18.6	40.1	53.4	36.4	44.4	44.5	42	44.6	36.8	36.8	45.2	100	38.9	41.1	42.5	45.4	44	21.3
Optic fibre	51.5	54.5	48.9	50.6	47.6	53.8	49.3	55.9	52.3	54.4	34.2	52.4	49.7	53.7	53.5	52	47.6	41.6	49.2	0	60	55.6	54.6	44.5	42.2	38.2
Fibre and coaxial hybrid	0.5	0.3	0.6	0	0	0.6	0.8	0	1.9	0.6	0	0	1.1	0	0.3	0	1.2	4.8	0	0	0	1.4	0.5	0	0	0
Other systems	0.1	0.2	0	0	0	0.3	0	0	0	0.1	0	0	0	0.3	0.1	0	0	0	0	0	0	0	0	0	0	0
Doesn't know	6	4.4	7.4	4.9	3.6	1.7	3.4	5	27.3	4.9	12.4	11.2	4.6	1.5	4	3.4	14.4	16.8	5.7	0	0	1.9	2.4	10	13.8	40.5
Not connected home base	139	72	65	8	25	20	21	22	44	100	38	90	43	6	49	28	40	7	7	1	0	5	23	46	15	53
P1-B. FOR WHAT REASON ARE YOU NOT CONNECTED?																										
No fibre nor ADSL/VDSL/SDSL reach // Internet does not reach	1.2	0.5	2.1	0	2.8	1.7	3.2	0	0	1.4	0.9	1.1	1.6	0	0.7	3.6	0	5	0	0	0	0	5.9	0	2.3	0
We cannot afford the connection	24	24.5	23.5	52.6	17.3	39.3	54.4	18.2	4.4	20.4	33.3	22.4	26.5	29.1	19.2	47.6	10.3	10	53.2	100	0	100	25.7	31.2	17.6	16.2
We don't need it, we use internet via smartphone / tablet	15.9	16	15.8	45	14.8	26.4	26.9	32.7	0	14	20.7	12.1	23.8	16.4	33.8	14.2	1.3	8.9	4.5	0	0	0	27.6	32.8	4.8	0
We don't need it, we use internet from other places	5.5	9.6	11.1	7.9	23.8	0	0	0	2.9	3.8	9.8	2.9	11.9	0	9.1	6.9	2.7	0	0	0	0	0	16.8	6.8	4.8	0
We don't need it, we don't use internet	34.3	28.4	40.8	0	20.1	3	14	23.8	77.6	42.3	14.1	44.1	15.4	24.2	15.4	6.7	70	60.4	20.9	0	0	9.5	7.3	34.7	69.4	0
We are not interested	7.3	12.2	1.9	0	0	6.3	0	18	11.5	10.2	0	11.4	0	0	4.7	8.8	11.5	0	0	0	0	0	2.7	18.9	11.4	0
The decision maker in the home doesn't want it	5.8	3.5	8.3	16.6	10.4	11.6	1.6	7.2	0	2.9	1.3	1.8	14.1	5.2	9.3	6.7	0.7	0	16.8	0	0	6.1	10.9	8.4	0.6	0
It's temporary, we will put internet soon	1	0.9	1.1	9.5	2.8	0	0	0	0	0.7	1.7	0.8	0.8	5.2	0	0	0	10.6	4.5	0	0	0	1.5	2.3	0	0
To save, it's expensive	2.1	2.2	1.9	0	5.1	8	0	0	0	1.6	3.2	0.4	2.9	19.4	3.3	4.4	0	0	0	0	0	5.5	0.7	0	2.4	0
We use the neighbour's Wi-Fi	0.5	0	0	1	0	2.9	0	0	0	0.7	0	0.8	0	0	1.5	0	0	0	0	0	0	0	0	1.6	0	0
Other replies	1.8	1.6	1.8	0	4.7	4.7	0	0	3.7	1.6	2.9	1.8	2.2	0	1.2	12	3.4	0	0	0	0	0	1.5	2.9	8.4	0
Doesn't know	0.2	0	0.5	4.5	0	0	0	0	0	0.3	0	0.4	0	0	0	0	0	5	0	0	0	0	0	0.7	0	0
Doesn't reply	0.3	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total base	576	280	297	66	97	131	115	85	82	476	100	226	237	113	306	87	106	22	54	1	33	102	180	151	40	70
P2. DO YOU PERSONALLY HAVE A SMARTPHONE?																										
Yes	86.5	85.7	87.3	99.5	97.2	95.9	88.6	82.6	49.9	85.4	91.9	73.2	93.9	97.6	95.1	87.2	58.2	71.7	98.7	100	100	98.8	98.1	91.5	87.7	71.2
No	13.5	14.3	12.7	0.5	2.8	4.1	11.4	17.4	50.1	14.6	8.1	26.8	6.1	2.4	4.9	12.8	41.8	28.3	1.3	0	0	1.2	1.9	8.5	12.3	78.8
Smartphone owner base	499	240	259	66	84	126	102	70	41	407	82	166	222	111	291	76	62	16	63	1	33	101	177	138	35	16
P2-A. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?																										
Yes	91.8	90.9	92.6	98.2	90.2	95.3	88.8	97.3	87	93.6	83.9	86.2	93.8	96.1	95.3	87.9	91.8	72.1	84.2	100	96.2	94.8	95.2	90.6	86.9	44.1
No	8.1	9.1	7.1	10.8	9.1	4.7	11.2	2.7	13	6.3	16.1	13.5	6.2	3.9	4.5	12.1	8.2	27.9	15.8	0	3.8	5.2	4.8	9.4	13.1	51.8
Doesn't know	0.1	0.1	0.2	0	0.6	0	0	0	0	0.1	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No data plan base	40	22	19	7	9	6	11	2	5	25	15	22	14	4	13	9	5	4	8	0	1	5	8	13	5	8
P2-B. FOR WHAT REASON?																										
I cannot afford it	30.5	20.3	42.5	33.5	38.6	17.8	34.9	0	29.3	27.2	36.2	25.5	43.2	15.9	10.6	39.8	37.5	58.5	32.5	0	0	19.3	44	25.5	30.6	36.7
It's not necessary, I have enough with Wi-Fi	28.9	37.5	18.7	16.9	35.5	53.7	27.4	17.8	13.5	30.1	26.8	25.7	28.6	46.3	35.2	41.6	14.1	28.1	14.3	0	100	47.7	16.5	40	27.6	0
It's not necessary, I don't need internet on the mobile	24.8	31.2	17.3	40	14	5.7	25.4	0	50.8	27.1	20.9	34.1	13	14	29.1	0	41.7	13.4	41.1	0	0	26.5	11.1	24	0	58.9
I don't want to be tied to a company / Prepaid	1.7	1.6	1.8	0	4	5.7	0	0	1.7	0.4	5.9	1.2	2.7	1	0.9	1.8	0	0	0	0	0	0	0	1.1	5.8	0
I don't know how to use it	4.7	0	10.3	0	0	0	0	0	82.2	7.5	0	8.6	0	0	11.9	0	6.7	0	0	0	0	0	0	0	34.4	4.4
To save / It's expensive	5.1	6.3	3.7	4.8	7.9	5.7	6	0	0	4	6.9	6.1	0	15.9	2.6	11.2	0	0	8.1	0	0	0	12	5.3	7.4	0
Other replies	0.8	1.6	0.7	0	0.6	0	0	0	0	0.1	0	0.4	0	0	0	3.7	0	0	0	0	0	0	0	0	0	0
Doesn't know	3.5	1.6	5.7	4.8	0	5.7	6.3	0	0	4.2	2.3	0	7.7	7.9	8	0	0	0	4.1	0	0	6.4	8.5	2.6	0	0
Total base	576	280	297	66	97	131	115	85	82	476	100	226	237	113	306	87	106	22	54	1	33	102	180	151	40	70
P3. WHEN WAS THE LAST TIME YOU USED INTERNET?																										
Today or yesterday	84.3	84	84.7	99.5	93.6	96.8	88.9	83.4	41.2	83.4	88.6	68	93.4	98	93.8	87.5	49.2	74.3	96.7	100	100	100	98.2	93.9	81	0
In the last week	2.2	2.7	1.7	0.5	3.8	1.9	1.6	2.5	2.6	2	3.1	3.3	1.9	0.6	1.8	2.2	4.3	0	1.3	0	0	0	15.5	9.7	7.5	0
Between two and four weeks ago	0.8	0.2	0.8	0	0	0	0	0	5.2	0	0	0	1.4	0	0.9	1.8	0	0	0	0	0	0	0	0	0	0
More than one month and less than 3 months ago	0.5	0.8	0.2	0	0	0	0	0.5	0	0.6	0	0	0.7	0	0	0	0	2.7	0	0	0	0	0	0	0.4	5.8
More than 3 months and less than one year ago	1	0.5	0	0	1.3	0	1.4	0	0	0	2.8	0	1.2	0	0	0	1.5	1.5	0	0	0	0	0	0	0	0
More than one years ago	0.6	0.5	0.5	0	0	0.4	0.4	0	3.4	0.3	0.6	0	0.2	0	0.1	0	2.7	0	0	0	0	0	0	0	0	4.5
I never use internet	11.1	11.9	10.5	0	1.2	1.3	7.6	13.4	50	12.3	5.3	25.9	2.4	0	3.3	7	39.6	25.7	0	0	0	0	0	0	0	91.4
Has used internet in the last 3 months base	506	245	261	66	84	120	104	73	30	414	82	165	228	113	295	79	60									

	TOTAL										SEX		AGE								NATIONALITY		EDUCATION LEVEL					OCCUPATION						USAGE TYPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Man		Woman		16-24		25-34		35-44		45-54		55-64		65-74		Spanish		Foreign		Low		Middle		High		No reply		Working		Unemployed		Retired		Homemaker		Student		NR		Hiperconnected		Advanced		Intermediate		Basic		Sporadic		Nonuser																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Total Base	576	280	297	66	97	131	115	85	82	476	100	226	237	113	306	87	106	22	84	1	32	102	180	191	40	70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Nou Barris	86,7	85,8	87,5	85,5	86,3	84,8	85,9	88,7	89,8	87,1	84,4	81,9	87,8	93,7	85,7	88,9	87,6	81,3	88,9	100	91	95,3	81,7	82,9	92,5	88,7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Sant Andreu	13,3	14,2	12,5	14,5	13,7	15,1	14,1	11,3	10,2	12,9	15,6	18,1	12,2	6,3	14,3	11,1	12,4	18,7	11,1	0	9	4,7	18,3	17,1	7,5	10,3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Vilapicina, Porta, el Turó de la Peira i Can Peguera	35,1	34,2	36	33,2	34,1	34,7	35,6	36,9	36,2	35,3	34,5	26,4	33,8	55,4	36,5	36,2	34	21	35	0	28,4	36,9	39,2	31,3	39,5	31,3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

TOTAL RESULTS BY MIDDLE-LOW INCOME DISTRICTS

	TOTAL		SEX		AGE		NATIONALITY		EDUCATION LEVEL		OCCUPATION		USAGE TYPE														
	Man	Woman	16-24	25-34	35-44	45-54	55-64	65-74	Spanish	Foreign	Low	Middle	High	Non-ely	Working	Unemployed	Retired	Homemaker	Student	NR	Hyperconnected	Advanced	Intermediate	Basic	Spontanic	Nonuser	
Total base	3177	1072	1105	228	408	492	419	344	290	1763	414	582	932	662	1	1227	269	386	115	179	1	184	414	747	500	88	244
P1. IS YOUR HOME CONNECTED TO INTERNET?																											
Yes	80.6	81.7	93.3	84.6	82.7	86.6	78.2	59.9	83.5	71.3	60.7	86.2	92.1	53	86.7	75.5	62.4	75	179	1	100	98.6	94.4	74	57.9	25.2	
No	19.4	18.3	6.7	15.4	17.3	13.4	21.8	40.1	16.5	28.7	39.3	13.8	7.9	47	13.3	24.5	37.6	25	3.9	0	0	1.4	5.6	28.6	42.1	74.6	
Connected home base	1767	864	903	213	346	407	360	269	147	1472	296	603	610	1	1064	203	241	86	172	1	184	408	706	357	91	62	
P2. WHAT TYPE OF CONNECTION?																											
ADSL / VDSL / SDSL	39.6	39	40.2	34.3	39.8	44.3	38.4	42.6	33	39.3	41.2	32.7	37.7	46.2	0	41.2	40.5	34.7	35.3	37.4	100	33.9	38.7	43.3	38.3	22.8	42.2
Optic fibre	54.1	56.4	51.9	57.1	56	50.7	56.6	51.2	53.9	0	55.2	48.7	58.4	51.1	100	59.9	52.2	53.8	51.2	53.2	0	66.1	58.2	50.1	46.9	27.4	
Fibre and coaxial hybrid	0.2	0.2	0.1	0	0.3	0	0.5	0	0	0.1	0.4	0.3	0.2	0	0	0.2	0	0	1.3	0	0	0.3	0.3	0	0	0	
Other systems	0.3	0.5	0.2	0	0.7	0.3	0.4	0.4	0	0.2	0.9	0	0.5	0.3	0	0.4	0.8	0	0	0	0	0	0.6	0	1	0	
No gap	0	0	0	3.5	3.3	4.7	4.1	5.6	13.1	2.1	3.6	13.2	5	23	0	3.7	6.5	10.4	12.1	9.4	0	0	2.3	2.5	10.7	30.4	
Not connected home base	1410	208	202	115	63	85	84	78	116	291	118	229	12	1	163	64	146	29	7	0	0	6	42	42	0	0	
P3-B. FOR WHAT REASON ARE YOU NOT CONNECTED?																											
Nor fibre nor ADSL/VDSL/SDSL reach // internet does not reach	0.6	0.5	0.8	0	1.1	1.2	0	0	0.8	0.7	0.6	0.9	0	1.3	0	1	0	0.7	0	0	0	0	0	4	0	0	0
We cannot afford the connection	20.6	19.5	21.7	19.9	33.7	35.2	22.4	12.3	7.9	14.6	36.2	22.7	20	0.8	0	21.4	41.2	7.8	32.8	27	0	0	20.7	25.1	28.8	25.4	12.1
We cannot afford the devices	1.7	1.3	2.1	0	5.7	1.6	3.5	0	0	1.4	2.3	3	0	0	0	1.7	4.5	0	4.3	0	0	0	6.4	0	3.5	1	0.6
We don't need it, we use internet from a smartphone / tablet	13.6	17.5	9.7	17.6	22.1	20.2	11.7	17.3	2.1	12.9	14.5	7.6	21.1	21.7	20.3	15.5	7.3	5.2	3.4	0	0	0	37.8	28.8	24.6	10.3	1.5
We don't need it, we use internet from other places	9.8	12	7.4	14.9	15.7	11.7	13	8	4.1	9.4	10.8	5.5	16.8	11.4	0	15.4	7.3	4.2	10	13.9	0	0	0	17.6	14.9	17.9	2.6
We don't need it, we don't use internet	39.7	33.7	45.9	6.8	9.2	11	24.3	53.1	80.2	49.9	14.7	51	25.9	23.4	100	22.5	6	75.9	38.4	14.7	0	0	0	5	10.8	31.6	73.3
We are not interested	2.9	2.3	2	0	2	0	4.1	3.4	2.1	2.3	2.1	2.5	5.3	0	0	1.5	1.3	4.3	17.4	0	0	0	0	0	1.2	4.6	
The decision maker in the home doesn't want it	2.3	1.4	3.3	14.5	0	3.4	8.1	0	0	1.8	3.6	0.6	3.1	7.9	0	3.7	3.6	0	0	17.4	0	0	20.7	3.8	2.8	3.5	0.8
It's temporary, we will put internet soon	2.8	3.1	2.5	6.8	5.5	1.9	4.2	2.2	1.4	1.5	6.2	3.3	1.2	4.7	0	5.1	5.2	0	0	0	0	0	14.3	3.8	5.7	2.8	0
To save, it's expensive	2.2	2.4	2.5	0	1.7	5.8	3.5	1.4	0	1.7	3.4	1.3	3	4	0	1.8	6	0	0	0	0	0	0	0	2.8	2.8	2.2
We use the neighbour's Wi-Fi	0.6	0.5	0.6	15.1	0	0	0	0	0	0.8	0	0	1.8	0	0	0.6	1.9	0	0	0	0	0	0	3.1	0.7	0	0
Other replies	2.3	3.6	0.9	0	1.4	4.5	5.1	2.4	0	1.6	4	0.8	3.6	5.4	0	3.8	3.7	0	2.4	0	0	0	5.9	2.9	0	1.5	
Doesn't know	0.6	0.5	0.7	4.5	1.7	0.8	0	0	0	1.1	0	1.1	0	0	0	0.4	1.6	4.5	0	9.6	0	0	0	0	1.2	1.6	8.2
Doesn't reply	0.6	1.1	0	0	0	0	2.7	0	0	0	1.9	0	0	0	0	0.6	1.9	0	0	0	0	0	2.5	0	2.8	0	0
Total base	3177	1072	1108	228	408	492	419	344	290	1763	414	582	932	662	1	1227	269	386	115	179	1	184	414	747	500	88	244
P4. DO YOU PERSONALLY HAVE A SMARTPHONE?																											
Yes	82.2	82.3	82	86.4	94.7	89.8	85.4	71.5	48.4	81.5	84.9	86	86.3	90.6	53	88.4	83.5	55.2	79.3	97.5	100	100	97	96	77.7	60.5	84.1
No	17.8	17.7	17.8	13.6	5.3	10.2	14.4	28.4	46.5	18.5	15.1	13.4	13.6	9.4	47	11.6	16.5	44.8	20.7	2.5	0	0	3	3.9	28.3	39.5	81.6
Doesn't know	0	0	0.1	0	0	0	0.2	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0
Smartphone owner base	1789	882	908	219	386	442	350	246	140	1437	322	384	608	999	1	1084	229	213	91	179	1	184	401	717	388	93	44
P5-A. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?																											
Yes	89.8	89.2	90.4	92.3	89.3	92.8	89.6	88.2	81.5	92.6	78.3	82.6	89.7	94.5	100	93.3	81	83	85.1	90.6	100	99.2	95.6	93.2	79	86.3	42.9
No	10.3	10.6	9.6	7.7	10.6	6.7	9.1	10.7	16	6.5	21.4	16.2	5.2	5.2	0	5.9	19	15	14.5	9.4	0	0	4	6.4	19.6	13	52.5
Doesn't know	0.9	0.5	1	0	0.1	0.2	0.5	1.2	2.8	0.9	50.2	0.8	0	0	0	0.8	0	2	0.4	0	0	0.8	0.4	0.4	0.7	4.6	
No data plan base	168	91	70	17	41	30	32	26	22	63	76	62	70	31	0	64	43	32	13	17	0	0	16	46	70	27	28
P5-B. FOR WHAT REASON?																											
I cannot afford it	18.9	25.3	11.5	21.9	11.7	25.9	24.2	18.1	13.9	16.8	21.5	23.7	14.8	19.1	0	14.5	29.9	14.8	15.7	17.9	0	0	7.6	11.9	21.1	27.7	30.8
It's not necessary, I have enough with Wi-Fi	42.1	40.1	44.3	37.5	53.6	47.3	29.7	47.2	29.2	42.9	41	33.4	50.7	38.4	0	53.2	38.9	25.1	35.9	44.6	0	0	49.2	47.9	46.6	56.2	6.5
It's not necessary, I don't need internet on the mobile	16.5	17.5	9.7	17.6	22.1	20.2	11.7	17.3	2.1	12.9	14.5	7.6	21.1	21.7	20.3	15.5	7.3	5.2	3.4	0	0	0	37.8	28.8	24.6	10.3	1.5
There is no mobile data coverage in my home	3.3	2.9	3.7	0	6.1	0	9.3	0	0	2.8	3.8	4.7	1.8	3.9	0	6.4	3.2	0	0	0	0	0	7.6	3	3.8	0	0
I don't want to be tied to a company / Prepaid	0.9	0.7	0	0	0	0	0	0	6.8	1.8	0	1.2	0	0	0	0	0	4.8	0	0	0	0	0	0	0	6.5	
I don't know how to use it	2.1	3.6	1.7	3.9	4	3.5	5.9	0	0	1.8	3.9	4.2	0	0	0	3.7	3.3	34.7	10.6	0	0	0	7.8	1.2	0	0	
Other replies	3.2	4.5	1.6	11.6	2.4	8.3	0	0	0	1.4	5.5	3.6	2.5	3.9	0	1.9	6.8	0	0	7.8	0	0	0	8.9	1.7	0	0
Doesn't know	0.6	0.5	0.7	4.5	1.7	0.8	0	0	0	1.1	0	1.1	0	0	0	0.4	1.6	4.5	0	9.6	0	0	0	0	1.2	1.6	8.2
Doesn't reply	0.6	1.1	0	0	0	0	2.7	0	0	0	1.9	0	0	0	0	0.6	1.9	0	0	0	0	0	2.5	0	2.8	0	0
Total base	3177	1072	1105	228	408	492	419	344	290	1763	414	582	932	662	1	1227	269	386	115	179	1	184	414	747	500	88	244
P6. WHEN WAS THE LAST TIME YOU USED INTERNET?																											
Today or yesterday	83.3	84.6	82	97.3	95.4	91.5	87.4	76.8	43.1	83.2	83.5	80.1	88.5	96.4	53	91.3	86	49.4	80.4	99.4	100	99.5	96.5	85.5	81.4	0	0
In the last week	3.7	3.2	4.2	2.2	1.9	2.8	3.5	5.1	7.6	3.4	5.2	6.4	4	0.9	0	2.1	7	7.7	4.4	0.6	0	0	0.5	1.5	10.8	15.3	0
Between two and four weeks ago	1	1	1.1	0.5	0.3	1.9	1.6	0.7	0.7	0.7	2.5	1.9	0.8	0.6	0	1.1	1.9	0.8	1.1	0	0	0	0	0	2.5	13	0
More than one month and less than 3 months ago	0.7	0.7	0.8	0	0.6	0.8	0.4	0.6	0.1	0.8	2.7	1.6	0.8	0	0	0.8	0.6	0.7	1.5	0	0	0	0	0	1.1	2.8	0

	TOTAL	SEX		AGE							NATIONALITY	EDUCATION LEVEL					OCCUPATION					USAGE TYPE							
		Man	Woman	16-24	25-34	35-44	45-54	55-64	65-74	Spanish		Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	NR	Hipernconnected	Advanced	Intermediate	Basic	Sporadic	Nonuser	
Total Base	2177	1072	1105	228	408	482	415	344	290		1763	414	682	932	662	1	1227	269	386	116	179	1	184	414	747	500	88	244	
ID1. DISTRICT																													
Ciutat Vella	9.5	10.7	8.3	10.3	13.5	10.8	8.7	6.4	5.5		6.1	23.7	6.8	7	15.3	0	9.1	13.9	6.2	10.1	12.3	0	6.1	10.9	10.2	8.9	8.1	8.8	
Sants-Montjuïc	26.4	26.4	26.4	26.1	28.6	26.1	25.8	26.8	24.6		25.7	29.6	30.2	28.4	20.3	53	27.5	24.8	25	25.4	24.8	0	25.7	22	27.4	27.6	28.5	28.7	
Horta-Guinardó	23.5	22.8	24.1	23.4	21.2	23	24.3	23.6	26.2		24.9	17.3	21.1	25.7	22.3	47	23.7	21.7	25.8	23.2	19.2	100	19.9	24.9	28.7	19.1	22.7	22.9	
Sant Andreu	17.4	17	17.9	16.9	15.2	17.2	17.7	18.4	19.8		19.2	9.8	15.2	17.5	19	0	15.9	16.1	20.9	16.7	19.9	0	12.7	11.4	16.4	23.9	16.5	20.7	
Sant Martí	23.2	23.1	23.4	23.3	21.5	22.9	23.5	24.6	23.9		24.1	19.6	26.3	21.4	23.2	0	23.8	21.5	22.1	24.6	23.9	0	35.6	30.9	19.2	20.4	22.2	19.4	
ID2. GREATER DISTRICT																													
El Raval	7.2	8.4	6.1	8.1	10.2	8.5	6.8	4.7	3.8		4.3	19.6	3.8	5	13.4	0	6.9	11	3.8	7.5	11	0	4.7	8	8.6	6.9	4.2	5.5	
La Barceloneta	2.2	2.3	2.1	2.2	3.3	2.3	1.9	1.8	1.7		1.8	4.1	3	2	1.9	0	2.1	3	2.4	2.6	1.3	0	1.4	2.8	1.7	2.1	3.9	3.3	
El Poble Sec	5.9	6.1	5.8	5.3	7.4	6.6	5.8	5	4.5		4.9	10.2	6.8	5.5	5.8	0	6.9	6.4	3.7	4.4	4.5	0	7.1	5.1	5.1	6.5	5.7	7.9	
La Marina	4.5	4.5	4.5	5.3	3.9	4.3	4.9	4.4	4.2		4.7	3.7	6.5	4.7	2.2	53	4.5	4	4.3	5.9	4.2	0	2.1	3.5	4.9	4.1	6.1	6.8	
La Font de la Guatlla, Hostafrancs, i la Bordeta	6.5	6.4	6.6	6.3	7.1	6.1	6.1	7.1	6.5		6.5	6.4	4.2	8	6.5	0	6.3	6.2	6.6	6.7	8.1	0	7.8	6.4	6.7	7.1	7.6	3.6	
Sants i Santa-Adal·la	9.5	9.4	9.6	9.1	10.2	9.1	8.9	10.2	9.4		9.5	9.3	12.7	10.1	5.8	0	9.8	8.3	10.4	8.3	8	0	8.7	7	10.7	9.9	9.1	9.8	
El Guinardó	8.7	8.4	9	8.4	8.3	8.7	8.8	9	9.1		9.1	7.1	4.8	9.3	11.3	0	9.5	8.7	8.6	6.4	4.9	0	8.8	12.4	9.4	6.8	6.7	4.8	
El Carmel i Can Baró	5.8	5.7	5.9	5.6	5.3	5.8	5.9	5.7	6.4		6.1	4.3	8.3	6.7	2.2	0	5.6	5.1	6.4	9.3	4.4	0	3.2	5.4	6.4	3.7	6.7	10	
Els Barris de la Vall d'Hebron	4	3.9	4.1	4.2	3.5	3.9	4.4	3.6	4.5		4.2	3.3	4.6	4.2	3.1	47	3.8	2.8	4.9	5.3	4.2	100	1.5	1.6	4.7	4.9	5.4	5.3	
Horta i la Font d'en Fargues	5	4.8	5.2	5.2	4.2	4.7	5.1	5.2	6.2		5.5	2.7	3.5	5.5	5.7	0	4.9	5.1	5.7	2.2	5.7	0	6.5	5.3	6.1	3.7	3.9	2.8	
Sant Andreu	8.1	8	8.2	7.2	6.7	8.6	8.2	8.8	9		9.2	3.3	9.9	8.1	6.6	0	7.8	7.6	9.9	7.1	7.6	0	6.7	7.9	7	8.5	7.8	12.3	
La Sagrera, el Congrés i Navas	9.3	8.9	9.7	9.7	8.5	8.6	9.4	9.6	10.8		10	6.4	5.7	9.4	12.3	0	8.1	10.5	11	9.5	12.3	0	6	3.4	9.5	15.4	10.7	8.4	
El Clot i el Camp de l'Arpa	9.5	9.3	9.8	9.2	9.1	9.5	9.3	10.3	10		9.9	8.2	6.9	9.7	11.7	0	10	7.8	8.8	11.2	9.9	0	21.8	13.2	7.1	7.4	5.5	7.3	
El Besòs, el Maresme i Provençals	6.1	6.4	5.8	6.8	6.1	6.1	6.5	6.4	4.7		6	6.8	8.4	5.1	5.5	0	6.2	6.6	4	9	7.5	0	9.6	10.6	4.7	3.5	9.5	4.3	
Sant Martí, la Verneda i la Pau	7.6	7.4	7.8	7.3	6.3	7.3	7.7	8.2	9.3		8.3	4.6	11	6.6	6	0	7.6	7.1	9.3	4.4	6.4	0	4.2	7.1	7.4	9.5	7.3	7.9	
ID3. SEX																													
Man	48.3	100	0	51.7	51	51.8	48.7	46.5	44.6		47.6	56.2	48.8	51.7	46.2	33	51.9	56.4	49.8	0	51.1	100	51	45.9	53	48.5	41.8	48.4	
woman	50.7	0	100	48.3	49	48.2	51.3	53.5	55.4		52.4	43.8	51.2	48.3	53.8	47	48.1	43.6	50.2	100	48.9	0	49	54.1	47	51.5	58.2	53.6	
ID4. AGE																													
16 to 24	10.5	11	10	100	0	0	0	0	0		11	8.3	14.8	12.9	3.2	0	3.8	7.5	0	0	89.1	100	14.5	15.9	13.7	6.3	1.2	0	
25 to 34	18.7	19.4	18.1	0	100	0	0	0	0		14.3	37.6	15.1	15.5	26.5	0	25.5	21.3	0.2	19.7	8.3	0	24.7	23.1	20.9	18.7	11.2	2.8	
35 to 44	22.6	23.8	21.5	0	0	100	0	0	0		20.8	30.5	14.5	22	30.6	0	29.6	34.1	2.4	19.9	2.7	0	30.2	24.3	26.1	21.9	18.8	5.9	
45 to 54	19.1	18.9	19.3	0	0	0	100	0	0		20	15.3	12.5	22.9	19.4	53	25	22	3.6	30.7	0	0	25.5	21.5	18.1	20.6	13.3	12	
55 to 64	15.8	14.9	16.7	0	0	0	0	100	0		17.9	6.8	17.2	17.2	12.6	0	15.6	15.1	22.1	23.2	0	0	5	10.6	15.7	20	20.3	22.7	
65 to 74	13.3	12.1	14.5	0	0	0	0	0	100		16.1	1.4	25.8	9.3	7.9	47	0.4	0	71.8	6.5	0	0	0	4.6	5.4	12.4	35.2	56.5	
ID5. NATIONALITY																													
Spanish	76.8	73.2	80.3	78.4	57.7	68	81.9	88.4	96.5		94.9	0	76.6	79.3	73.5	100	74.8	66.3	96.1	66.4	71.3	100	80	77.6	77.9	68.9	75.7	86.4	
Spanish + other	4.1	5.1	3.3	6.4	4.1	6.3	2.9	3.4	1.5		5.1	0	4.6	4.8	2.9	0	4.6	5.1	1.7	3.4	5.7	0	4.5	4.5	4.9	3.9	4.4	1.5	
Foreign	19	21.7	16.4	15.2	38.2	25.6	15.3	8.2	2		0	100	18.8	15.9	23.6	0	20.6	28.6	2.2	30.2	22.9	0	15.5	17.9	17.2	27.2	19.9	12.1	
ID6. OCCUPATION																													
Working	56.4	59.3	53.5	20.7	78.6	73.9	73.9	55.6	1.9		55.3	61	36.4	55	75.8	53	100	0	0	0	0	0	78	70	59.5	50.8	42.6	23.8	
Unemployed	12.4	14.2	10.6	8.9	14.1	18.6	14.2	11.8	0		10.9	18.6	11.1	16.9	7.2	0	0	100	0	0	0	0	4.2	7.4	15.2	19.5	9.2	5	
Retired / Pensioner	17.7	17.9	17.5	0	0.2	1.8	3.3	24.8	95.5		21.4	2	32.3	14	10	47	0	0	100	0	0	0	2.7	6	10.1	17.2	39.7	65.3	
Homemaker (unpaid)	5.3	0	10.4	0	5.6	4.7	8.5	7.8	2.6		4.6	8.4	7.1	5.7	3.2	0	0	0	0	100	0	0	2	3.1	5.1	7.8	8.5	6	
Student	8.2	8.5	7.9	70.1	3.6	1	0	0	0		7.8	9.9	13	8.4	3.8	0	0	0	0	0	100	0	13.1	13.5	10.1	4.8	0	0	
Doesn't reply	0	0.1	0	0.3	0	0	0	0	0		0	0	0.1	0	0	0	0	0	0	0	100	0	0	0	0.1	0	0	0	
ID7. WHAT IS YOUR LEVEL OF COMPLETED OFFICIAL STUDIES?																													
Unfinished compulsory studies	2.3	2.1	2.6	4.4	1.3	0.8	0.7	1.1	8.4		2.2	2.9	8.7	0	0	0	0.8	1.1	6.9	1.9	4.8	0	0.6	0	1.1	1.9	6.1	10.8	
Compulsory	24.4	24.4	24.4	33.4	20.2	16.3	16.8	28	43.4		24.6	23.6	91.3	0	0	0	16.4	22.8	41.8	33.8	37.3	100	9.5	12.9	16.7	30.8	37.6	60.7	
Postcompulsory	21.8	23.1	20.5	32.5	17.8	18.2	23.2	26.2	17.8		21.5	23.1	0	50.9	0	0	19.9	26.4	19.4	22.6	32.6	0	24.5	19.1	22.8	25.4	23.8	13.1	
Professional postcompulsory	21	21.8	20.3	20.5	17.7	23.6	28.2	20.4	12.2		23	12.8	0	49.1	0	0	21.9	32	14.5	23.4	11.3	0	14.8	19.5	26	23	20.3	9.4	
University	30.4	28.5	32.2	9.2	42.9	41.1	30.9	24.2	18		28.7	37.7	0	0	100	0	40.9	17.7	17.1	18.3	14	0	50.6	48.5	33.4	18.8	12.2	5.8	
Doesn't reply	0.1	0.1	0.1	0	0	0	0.2	0	0.2		0.1	0			0	0	0	0	0	0	100	0	0	0	0	0	0.2	0	0.3
ID8. TYPE																													
Hipernconnected	8.5	8.8	8.2	11.8	11.2	11.3	11.3	2.7	0		8.8	6.9	3.2	7.8	14.1	0	11.2	3.2	4.1	3.1	31.5	0	0	0	0	0	0	0	0
Advanced	21.8	21.8	23.5	20.1	21.7	22.8	20.4	6.4	10.4		20.9	9.2	17.2	6.9	14	0	0	0	0	0	100	0	0	0	0	0	0	0	0
Intermediate	34.3	37	31.8	45	38.3	39.7	32.6	34.1	13.9		35.1	31.1	22.9	39.1	37.7	0	38.9	42.1	19.6	33	42	100	0	0	100	0	0	0	0
Basic	23	22.6	23.3	13.9	22.9	22.3	24.8	29.1	21.3		20.6	32.8	28	26	14.2	53	20.7	36.2	22.3	33.8	13.3	0	0	0	0	100	0	0	0
Sporadic	4	3.4	4.6	2.4	3.4	2.8	5.2	4.6	1.6		4.2	3.4	6.6	4.2	0	8	4.2	6.5	4.2	6.7	0	0	0	0	100	0	0	0	0
Nonuser	11.2	10.6	11.8	0	1.7	2.9	7.1	16.1	47.6		12.6	7.1	30	5.9	21	47	4.7	4.5	4.3	12.6	0	0	0	0	0	0	0	0	0

TOTAL RESULTS BY MIDDLE INCOME DISTRICTS

	TOTAL		SEX	AGE	NATIONALITY	EDUCATION LEVEL					OCCUPATION					USAGE TYPE										
	Male	Woman	16-24	25-34	35-44	45-54	55-64	65-74	Spanish	Foreign	Low	Middle	High	Non-reply	Working	Unemployed	Retired	Homemaker	Student	MR	Hyperconnected	Advanced	Intermediate	Basic	Specific	Nonuser
Total base	912	438	477	90	193	204	162	142	121	704	207	212	372	328	832	83	166	63	78		91	197	297	182	47	98
P1. IS YOUR HOME CONNECTED TO INTERNET?	82,9	82,4	83,4	96	89,1	82,4	85,5	80,2	63,9	84,6	77,5	58,6	86,6	94,6	89,6	75,6	62,9	73,5	94,1		100	97,7	94,7	73,2	71,7	24,3
Yes	17,1	17,6	16,6	4	10,9	17,6	14,5	19,8	36,1	15,4	25,5	47,6	13,4	5,4	10,6	24,6	37,1	26,5	6,9		0	2,3	5,3	26,6	28,3	75,7
Connected home base	756	358	398	87	172	168	129	114	77	586	161	124	322	311	477	63	104	39	73		91	193	281	133	34	23
P1-A. VIA WHAT TYPE OF CONNECTION?																										
ADSL / VDSL / SDSL	48,8	48,3	49,2	47,8	53	49,5	57,2	41,8	34,1	47,8	52,3	49,6	51,4	45,8	50,3	62,5	39	47,7	42		39,4	45,3	49,3	58,1	61,8	36,8
Optic fibre	47,3	50,7	44,3	48,1	44,5	48,1	41,5	49,8	38	48,4	43,2	42	45,4	51,4	48,1	53,7	48,3	35	30,9	31		58,1	53,7	48,3	35	30,9
Fibre and coaxial hybrid	0,4	0,2	0,6	0	0,8	0	0	0,7	1,1	0,3	0,9	0,6	0	0,7	0,5	0	0,8	0	0		0	0,7	0	0,6	0	3,7
Other systems	0,1	0	0,2	0	0,5	0	0	0	0	0,2	0	0	0,3	0,2	0	0	0	0	0		0	0	0	0,7	0	0
Doesn't know	3,4	0,8	5,7	4,1	1,1	2,4	1,3	7,7	6,8	3,3	3,6	7,7	3,2	1,8	1,7	2	8,5	8,8	5		1,5	0,3	2,4	5,7	7,2	28,4
Not connected home base	156	76	78	4	21	36	24	28	44	109	47	88	50	18	55	20	61	14	5		0	5	16	49	12	72
P1-B. FOR WHAT REASON ARE YOU NOT CONNECTED?																										
Nor fibre nor ADSL/VDSL/SDSL reach // Internet does not reach	3,5	2,4	4,5	0	0	8,8	0	8,1	0	4,1	2	1	7,5	4,4	8,2	0	1,4	0	0		0	0	13,9	6,6	0	0
We cannot afford the connection	15,2	19,3	10,7	0	19,7	24,2	34,4	6,4	2,2	12,5	21,4	15,8	19,5	0	13,3	45,4	5,5	26,5	0		0	0	11,6	21,9	10,6	13,3
We cannot afford the devices	0,9	1,2	0,5	0	2	0	0	0	2,2	0,9	0,9	1,5	0	0	0	0	1,5	2,9	0		0	0	0	0,8	0	1,3
We don't need it, we use internet via smartphone / tablet	14,8	15,4	14,2	0	22,6	27,6	17,2	5	6,6	11,9	21,5	10,3	15,8	33,7	23,2	16	7,3	10,8	19,1		0	32	28,6	27,6	19,1	13
We don't need it, we use internet from other places	11,4	11,5	11,4	49,4	20,7	14,8	20,2	2,9	1,9	7,3	21,1	7,8	13,8	22,5	24,1	0	1,3	21,9	12,9		0	28,1	34,1	14	11,8	3,7
We don't need it, we don't use internet	41,5	41,4	41,5	39,2	5,7	16,7	13,7	70,9	7,5	52,6	15,5	53,5	25,5	2,7	18,3	25,3	70,5	27,5	30,9		0	30,9	0	11,6	42	70,9
We are not interested	3,4	2,8	3,9	0	6,1	0	0	0	9,1	3,6	2,7	4,9	0	5,3	0	0	6,5	0	28,1		0	0	8,1	0	5,4	
The decision maker in the home doesn't want it	0	0	3,2	0	6,1	0	5,4	0	0	2,4	0	1,5	2,6	0	0	0	5	0	0		0	0	0	0	0	1,8
It's temporary, we will put internet soon	2,9	2,6	3,2	0	6,1	5,6	5,4	0	0	1,2	7	0,7	5,4	7,2	5,7	7	0	0	0		0	0	0	9,3	0	0
We use the neighbour's Wi-Fi	0,9	0,5	1,3	11,4	4,8	0	0	0	0	0,8	1,3	0	2,8	0	0,7	0	0	4,2	9		0	9	3,7	0,8	0	0
Other replies	2	2,3	1,8	0	0	2,3	0	3,3	2,8	0	2,8	0	4,4	2,6	0	0	5	0	0		0	0	0	2,6	7	1,1
Doesn't know	2	0	3,9	0	6,1	0	3,7	3,3	0	0	6,6	1	4,5	0	4	0	0	6,2	0		0	0	0	4,6	0	1,2
Total base	912	438	477	90	193	204	162	142	121	704	207	212	372	328	832	83	166	63	78		91	197	297	182	47	98
P2. DO YOU PERSONALLY HAVE A SMARTPHONE?	81,3	82,3	80,5	94,8	93,9	89,2	80,1	74,3	48	81	82,7	62	83,5	91,4	90,4	76,6	51,8	73	93,3		100	99,8	94,2	65,8	78,8	16,8
Yes	13,7	13,2	13,6	54	54,1	50,9	42,9	27,9	59	19	19,5	29	16,5	8,2	19	12,5	27,7	13,6	82,9		0	0	0	0	0	0
Smartphone owner base	742	358	394	89	187	182	130	106	58	570	171	171	310	300	481	63	86	39	73		91	197	280	127	37	16
P2-A. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?	92,2	91,9	92,5	93,8	90,9	94,9	94,7	87,7	88,5	94,1	85,9	79,7	94,6	95,2	94,9	90,9	83,9	85	89,2		99,1	97,2	92,7	86	90,7	34,9
Yes	6,5	7,5	5,6	6,2	7,9	4,7	4,6	9,9	9,1	4,4	13,3	16,2	5,1	3,7	4,4	6,3	11,6	12,9	10,8		0,9	2,4	5,6	12,9	1,1	56,4
Doesn't know	1,5	0,6	1,9	0	1,2	0,5	0,6	2,5	5,4	1,4	0,8	4	0,3	1,2	0,6	2,6	4,6	2,1	0		0	0,4	1,7	1,4	2,2	8,7
Not data plan base	48	27	31	6	12	0	6	10	4	28	23	21	10	11	21	4	10	6	8		1	5	18	15	3	9
P2-B. FOR WHAT REASON?																										
I cannot afford it	5,8	2,2	10,4	0	0	33,1	0	0	0	8,8	2,6	0	11,9	8,6	4,4	14,7	0	25,5	0		0	0	0	18,6	0	0
It's not necessary, I have enough with Wi-Fi	40,3	42,9	36,9	50,2	58,1	46,7	37,7	20,6	8	33,8	47,6	42,2	3,6	8,1	56,9	64,6	4,1	31,7	33,8		30	61,9	44,6	54,1	33	0
It's not necessary, I don't need internet on the mobile	33,7	34,7	32,6	32	22,2	0	34,9	54,9	100	48,5	17,2	49,7	29,7	8,6	19,3	20,7	62,2	42,8	37,9		50	0	36,2	12	67	72
There is no mobile data coverage in my home	1,6	0	3,7	0	0	9,2	0	0	0	0	3,4	0	4,9	0	3,7	0	0	0	0		0	0	5	0	0	0
I don't want to be tied to a company / Prepaid	28,3	28,9	27,7	28,3	13,6	27,3	34,3	38,9	40	15	0,9	31	40	40,9	0	1,9	7,9	28,3	0		0	36,1	8,2	9,1	13,2	0
I don't know how to use it	5,3	4,8	6	0	0	0	0	24,5	0	10,1	0	12	0	0	0	0	25,8	0	0		0	0	0	0	0	28
To save / It's expensive	2	0	4,4	0	0	11,1	0	0	0	0	4,1	0	6	0	4,4	0	0	0	0		0	0	6	0	0	0
Doesn't know	2	3,5	9	17,8	0	0	0	0	0	4,4	4,1	0	0	0	4,4	0	0	0	0		0	0	0	0	0	0
Total base	912	438	477	90	193	204	162	142	121	704	207	212	372	328	832	83	166	63	78		91	197	297	182	47	98
P3. WHEN WAS THE LAST TIME YOU USED INTERNET?																										
Today or yesterday	83,3	84,5	82,3	97,5	95,2	92,2	87,4	72,1	46,7	82,1	87,7	54,3	88,3	96,5	83,3	63,9	49,8	69,6	95,4		100	99,8	97,2	83,1	66	0
In the last week	5,1	5,1	3,9	2,5	1,8	4,6	3,9	6,4	8,1	4,4	4,6	9,6	4,4	1,2	2,8	4,4	8,1	9,1	4,6		0	0,2	2,8	10	28,6	0
Between two and four weeks ago	1,2	1,8	0,9	0	0	1,4	0,8	0	0	1,4	1,1	2,7	1,3	0,6	0,6	2,3	2,7	3,2	1		0	0	0	5,5	4,5	0
More than one month and less than 3 months ago	0,3	0,4	0,3	0	0,2	0,4	0,3	0,9	0	0,3	0,4	0,6	0,4	0	0,2	0,9	0,2	0,8	0		0	0	0	1,3	0,9	0
More than 3 months and less than one year ago	0,8	0,9	0,7	0	0,6	0	1,7	1,1	1,4	0,9	0,6	1,9	0,9	0	0,6	0	1,5	2,6	0		0	0	0	0	0	7,5
More than one year ago	1,4	1,7	1,1	0	1,7	1,4	3,2	2,9	2,8	1,5	0,9	3,7	1,1	0,4	0,2	1,1	0,4	1,1	0		0	0	0	0	0	13,2
I never use internet	8,2	6,3	10	0	0,7	1	5,3	11,8	38,5	9,5	4	26,7	3,7	1,5	1,8	5,7	32,3	13,6	0		0	0	0	0	0	77,9
Doesn't know	31	0	0,3	0	0	0	0	0,8	0	0	0,6	0,6	0	0	0,2	0	0	0	0		0	1,7	10,2	12	4	13
Has used Internet in the last 3 months base	618	309	348	90	188	189	149	118	63	621	184	182	381	323	517	76	101	44	78		91	197	297	182	47	98
P4. COULD YOU TELL ME ALL THE DEVICES YOU USE TO CONNECT WITH?																										
Mobile	88,9	86,3	91,5	95,5	95,7	92,1	87,8	81,4	68,3	88,7	89,7	68,8	88,8	90,1	93,3	79,3	67,9	87,3	97,6		100	100	96,1	60,8	84,8	0
Tablet	34	32,2	35,7	39,4	30,7	39,6	37,6	23,3	30,2	37,6	22,2	24,9	32,3	39,7	36,4	28,7	25,8	30,3	35,3		88,8	58,6	19,4	8,9	13,2	0
Laptop	60,4	59,2	61,8	72,5	72	59,6	54,1	53,9	40,4	60,9	59	39,3	56,6	73,8	64	59,6	37,3	49,2	73,6		89,8	80,3	65,2	24,2	30,1	0
Home desktop	28,3	28,9	27,7	28,3	13,6	27,3	34,3	38,9	40	33,5	11,6	18,3	30,5	30,3	27,7	11,9	40,4	28,1	32,9		68,5	37,1	18,3	18,8	13,5	0
Work desktop	16,4	18,3	14,6	29	19,8	18,5	21,5	20,1	1,2	17,5	12,8	4,3	13	25,4	25,9	0	0	0	0		59,4	24,6	7,4	2,5	8,9	0
Study centre desktop	1,8	2																								

	TOTAL										SEX		AGE						NATIONALITY		EDUCATION LEVEL					OCCUPATION						USAGE TYPE						
											Men	Woman	16-24	25-34	35-44	45-54	55-64	65-74		Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	NR	Hyperconnected	Advanced	Intermediate	Basic	Sporadic	Nonuser	
Total Base	912	438	477	90	193	204	162	142	121		704	207	212	372	328				704	207	212	372	328		532	83	166	83	78		91	197	297	182	47	96		
ID1. DISTRICT																																						
Ciutat Vella	14	15,5	12,7	13,8	19,4	15,8	12,9	10,1	8,8		9,9	28,1	19,1	12,8	12,2				9,9	28,1	19,1	12,8	12,2		13,6	23,4	9,3	20,2	12,9		17,7	14,1	11,7	16,7	15,1	12,3		
Eixample	62,1	61,3	62,8	62,7	59,8	60,4	63	64,2	64,4		63,4	57,5	58,8	66,6	59				63,4	57,5	58,8	66,6	59		63	51	63	60,8	68,3		56,6	60,9	62,2	62,2	65,3	67,4		
Gràcia	23,9	23,3	24,4	23,6	20,7	23,8	24,1	25,7	26,8		26,7	14,3	22,1	20,6	28,7				26,7	14,3	22,1	20,6	28,7		23,3	25,6	27,7	19	20,7		25,7	25	26,1	21	19,7	20,3		
ID2. GREATER DISTRICT																																						
El Barri Gòtic	5,8	6,5	5,1	5,9	8,1	6,2	5,3	4,3	3,4		4	11,9	7,4	5,6	4,9				4	11,9	7,4	5,6	4,9		5,6	8,4	4	6,9	6,9		6,7	5,4	5,1	7,7	2,6	5,5		
Sant Pere, Santa Caterina i la Ribera	8,3	9	7,7	7,8	11,3	9,6	7,6	5,8	5,4		5,9	16,2	11,7	7,1	7,4				5,9	16,2	11,7	7,1	7,4		8	14,9	5,3	13,3	6,1		11	8,7	6,5	9,1	12,5	6,7		
El Fort Pienc	11	10,8	11,1	11,2	10,9	10,7	11	11	11		11	10,9	10,3	11,1	11,2				11	10,9	10,3	11,1	11,2		11,3	10,3	9,9	13,2	10		6,8	8,7	13,9	11,6	4,9	12,1		
La Sagrada Família	17,8	16,8	18,8	17	16	18,2	18,1	18,9	19,1		18,2	16,7	21,2	20	13,2				18,2	16,7	21,2	20	13,2		17,6	12,4	22,4	16,8	16,5		5,6	14,3	20,7	19,7	21,6	22,6		
La Nova Esquerra de l'Eixample	20,1	20,1	20,1	21,9	19,8	18	20	21,8	21,1		21,2	16,3	12,7	20,9	24				21,2	16,3	12,7	20,9	24		20,4	17	18,7	23,8	21,7		33,9	29,3	16,6	12,4	14,9	18,1		
Sant Antoni	13,2	13,6	12,8	12,5	13,2	13,4	13,9	12,8	13,3		13,1	13,6	14,7	14,7	10,6				13,1	13,6	14,7	14,7	10,6		13,8	11,3	11,9	7,1	18,1		10,3	8,6	11,1	18,6	23,8			
Vallcarlos, el Coll i la Salut	12,2	11,8	12,6	12,5	10,4	12,4	12,3	12,8	13,7		13,7	7,1	11,5	10,3	14,8				13,7	7,1	11,5	10,3	14,8		12,4	12,6	14,2	6,5	10,1		6,7	12,8	15,2	11	9,2	10,8		
El Camp d'en Grassot i Gràcia Nova	11,7	11,5	11,8	11	10,3	11,4	11,7	12,8	13,1		13	7,2	10,6	10,3	13,9				13	7,2	10,6	10,3	13,9		10,9	13	13,5	12,5	10,7		19,1	12,2	10,9	10	10,5	9,5		
ID3. SEX																																						
Man	47,7	100	0	51,3	48	50,6	48,2	45,4	41,5		44,7	57,9	50,6	45,1	48,7				44,7	57,9	50,6	45,1	48,7		51,7	55,6	45,5	0	48,7		53,7	48,8	46,7	52,3	41,7	37,2		
woman	52,3	0	100	48,7	52	49,4	51,8	54,6	58,5		55,3	42,1	49,4	54,9	51,3				55,3	42,1	49,4	54,9	51,3		48,3	44,4	54,5	100	51,3		46,3	51,2	53,3	47,7	58,3	62,8		
ID4. AGE																																						
16 to 24	9,9	10,7	9,2	100	0	0	0	0	0		10	9,6	16,8	11,7	3,4				10	9,6	16,8	11,7	3,4		4,4	7,3	0	0	77,9		18,7	12,8	11,4	7,7	0	0		
25 to 34	21,1	21,3	21	0	100	0	0	0	0		15,8	39,2	15,3	18,8	27,5				15,8	39,2	15,3	18,8	27,5		27,8	23,7	0,4	16,1	20,3		20,3	27,1	29,7	14,7	3,9	4	0	
35 to 44	22,3	23,7	21,1	0	0	100	0	0	0		19,9	30,6	11,3	21,6	30,3				19,9	30,6	11,3	21,6	30,3		30,9	27,3	2,7	22,6	0		31,2	22,1	23,2	27,5	16,6	4,9	0	
45 to 54	17,8	18	17,7	0	0	0	100	0	0		19	13,8	11,9	19,7	19,5				19	13,8	11,9	19,7	19,5		22,2	26,1	4,2	26,6	1,7		23,6	15,5	17,1	18,9	25,1	13,6	0	
55 to 64	15,6	14,9	16,3	0	0	0	0	100	0		18,4	6	22,1	16,3	10,6				18,4	6	22,1	16,3	10,6		14,1	15,5	23,5	29,5	0		5,4	15,6	12,4	18,4	28,1	23,9	0	
65 to 74	13,2	11,5	14,8	0	0	0	0	0	100		16,9	0,7	22,5	11,8	8,8				16,9	0,7	22,5	11,8	8,8		0,6	0	69,3	5,2	0		0,9	7	6,2	12,9	26,2	53,5	0	
ID5. NATIONALITY																																						
Spanish	71,8	68,7	74,6	75,2	52,9	62	71,2	88,5	96,8		92,9	0	70,6	72,5	71,7				92,9	0	70,6	72,5	71,7		67,8	57,7	97,5	85,4	63,9		81,2	73,3	69,1	61,2	84,1	81,6	0	
Spanish + other	5,5	3,7	7,2	2,7	4,9	6,8	11,1	2,8	2		7,1	0	4,6	6,3	5,2				7,1	0	4,6	6,3	5,2		6,8	7,2	1,1	8,2	2,4		3	8	4,5	5,8	5,7	5,2		
Foreign	22,7	27,6	18,3	22,1	42,2	31,2	17,7	8,7	1,2		0	100	24,8	21,2	23,1				0	100	24,8	21,2	23,1		25,5	35,1	1,4	26,4	33,7		15,8	18,6	26,4	32,9	10,2	13,2	0	
ID6. OCCUPATION																																						
Working	58,4	63,3	53,8	26,1	76,8	80,8	72,8	52,6	2,6		56,3	65,4	32,7	59,3	73,9				56,3	65,4	32,7	59,3	73,9		100	0	0	0	0		81,6	69,4	61,9	52,8	53,7	15,7	0	
Unemployed	9,1	10,6	7,7	6,7	10,2	11,1	13,3	9	0		7,6	14	9,6	10,1	7,7				7,6	14	9,6	10,1	7,7		0	100	0	0	0		2,8	6,4	11,5	13,4	4,4	7,3	0	
Retired / Pensioner	18,2	17,3	18,9	0	0,3	2,2	4,3	27,4	95,1		23,2	1,1	33,1	16,3	10,6				23,2	1,1	33,1	16,3	10,6		0	0	100	0	0		1,6	8,7	9	21,5	34,1	67,4	21,7	0
Homemaker (unpaid)	5,8	0	11,2	0	4,4	5,9	8,7	11,1	2,3		5,6	6,8	9,1	6	3,6				5,6	6,8	9,1	6	3,6		0	0	0	100	0		0	4,3	6,5	6,8	7,9	9,6	0	
Student	8,5	8,7	8,4	67,2	8,2	0	0,8	0	0		7,3	12,7	15,5	8,3	4,3				7,3	12,7	15,5	8,3	4,3		0	0	0	0	100		14,1	11,1	11,1	5,4	0	0		
ID7. WHAT IS YOUR LEVEL OF COMPLETED OFFICIAL STUDIES?																																						
Unfinished compulsory studies	2,2	3,1	1,4	6,4	2,1	0,4	1,7	0,8	4,7		2	3,2	9,6	0	0				2	3,2	9,6	0	0		1,3	0	4,3	2,7	6,3		0,6	0,3	2,7	1,8	6,4	4,9	0	
Compulsory	21	21,5	20,5	33,1	14,7	11,3	13,8	32	34,8		20,6	22,1	90,4	0	0				20,6	22,1	90,4	0	0		11,7	24,6	38,1	33,3	35,8		7	8,4	13,7	24,2	38,7	67,4	0	
Postcompulsory	23,3	22,7	23,8	37,5	21,2	22	23	26,2	15,3		23,2	23,8	37,5	21,2	22				23,2	23,8	37,5	21,2	22		24,1	17,7	17,5	21,9	37		22,8	20,6	25,5	29,6	22,5	11,2	0	
Professional postcompulsory	17,5	15,8	19	10,8	15,1	17,5	22,1	16,5	21,2		21,2	4,8	0	42,8	0				21,2	4,8	0	42,8	0		17,3	27,4	19,1	20	2,7		14,3	20	15,8	21,8	20,8	10,6	0	
University	36	36,8	35,3	12,3	46,8	48,8	39,5	24,5	24		35,8	36,7	0	0	100				35,8	36,7	0	0	100		45,6	30,3	21	22	18,2		55,4	50,7	42,3	22,5	11,5	6	0	
ID8. USAGE TYPE																																						
Hyperconnected	10	11,3	8,9	18,9	9,6	14	13,3	3,4	0,7		10,9	7	3,3	9,1	15,4				10,9	7	3,3	9,1	15,4		14	3,1	0,9	0	16,5		100	0	0	0	0	0		
Advanced	21,6	22,1	21,2	27,9	27,7	21,4	18,8	21,6	11,4		22,8	17,7	8,1	21,6	30,4				22,8	17,7	8,1	21,6	30,4		25,7	15,2	10,4	1,6	28,2		0	100	0	0	0	0		
Intermediate	32,6	31,9	33,2	37,7	45,8	33,8	31,4	25,9	15,3		31,1	37,9	23,1	33	38,3				31,1	37,9	23,1	33	38,3		34,6	41,2	16,2	36,4	42,6		0	0	100	0	0	0		
Basic	20	21,9	18,2	15,5	13,9	24,6	21,2	23,5	19,5		17,3	28,9	22,4	25,2	12,5				17,3	28,9	22,4	25,2	12,5		18,1	29,5	23,6	23,3	12,7		0	0	0	100	0	0		
Sporadic	5,2	4,5	5,9	0	1	3,9	7,3	8,4	10,3		6																											

TOTAL RESULTS BY MIDDLE-HIGH INCOME DISTRICTS

	TOTAL			SEX		AGE		NATIONALITY	EDUCATION LEVEL					OCCUPATION					USAGE TYPE								
		Men	Women	16-24	25-34	35-44	45-54	55-64	65-74	Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	MR	Hyperconnected	Advanced	Intermediate	Basic	Sparsely	Nonuser
Total base	727	348	382	72	144	172	133	112	98	597	130	99	307	321		433	77	126	27	68		65	176	283	139	25	41
P1. IS YOUR HOME CONNECTED TO INTERNET?																											
Yes	90.2	90.2	90.2	97.7	93.6	91	85.7	88.1	86.4	90.7	87.5	74.3	89.5	95.7		92.4	83.2	81.9	97.7	96.5		100	99.7	94	87.3	52.7	40.6
No	9.8	9.8	9.8	2.3	6.4	9	14.3	11.9	13.6	9.7	12.5	25.7	10.5	4.3		7.6	16.8	18.1	2.3	3.5		0	0.3	5.6	47.3	59.4	59.4
Connected home base	656	311	344	70	135	156	114	89	82	542	114	74	275	307		400	64	103	26	63		65	174	283	122	13	17
P1-A. VIA WHAT TYPE OF CONNECTION?																											
ADSL / VDSL / SDSL	50	47.9	51.9	42.8	46.1	58	51.9	52.6	41.5	49.4	53	48.4	50.7	49.7		53.9	53.7	38.3	53.9	38.8		47.6	44.4	53.6	54.3	47.7	30.5
Optic fibre	43.7	46.8	40.8	45.9	46.6	39.4	43.2	43.6	45.7	45	37.1	37.7	43.5	45.3		42.5	40	51.6	37.4	44.6		52.4	50.4	42	36.3	39.8	23.8
Fibre and coaxial hybrid	0.3	0.5	0	0.9	0	0	0	0	1.4	0.3	0	0	0.4	0.2		0.1	0	1.1	0	0		0	0	0	0	0	0
Other options	0.3	0.7	0	0	0	0	0	0	0	0	0	0	1.2	0.2		0.3	1.6	2	0	0		0	0	0.4	0.7	0	0
Doesn't know	5.8	4.1	7.2	10.4	7.3	2.5	3	3.9	11.5	4.9	9.9	14	4.6	4.8		3.2	4.6	9.1	8.8	16.6		0	3.6	4	9.4	12.5	45.7
Not connected home base	71	34	38	2	9	15	19	13	13	55	16	25	32	14		33	13	23	1	2		0	1	17	18	22	24
P1-B. FOR WHAT REASON ARE YOU NOT CONNECTED?																											
We cannot afford the connection	22	22.6	21.4	0	24	14.5	43	23.1	0	14.4	47.8	20.5	29.2	8		22.2	32.6	18.5	0	0		0	0	10	35.4	23.2	20.5
We cannot afford the devices	0.8	1.7	0	0	0	0	0	4.4	0	0	3.6	0	1.8	0		0	4.5	0	0	0		0	0	0	0	0	2.4
We don't need it, we use internet via smartphone / tablet	8.7	8.8	10.5	0	6.5	11.1	15.9	7.7	4.5	8.7	10.9	4.6	12.9	11.7		19.3	0	2.6	0	0		0	0	14.2	18.8	5.1	2.4
We don't need it, we use internet from other places	18.8	19.6	18.1	0	24.1	28.9	29.9	0	6.6	16.3	27.3	21.8	17.3	16.9		30.7	17.2	4.9	0	0		0	0	19.5	25.8	37.9	4.6
We don't need it, we don't use internet	25.8	22.2	29.1	61	0	8.1	5.8	5.7	70.3	33.4	0	35.9	25.5	8		7.2	22.8	55.2	100	0		0	0	3.4	9.5	15.6	58.9
We are not interested	3	0	5.7	0	0	0	0	0	16.7	3.9	0	8.4	0	0		0	0	9.5	0	0		0	0	0	0	0	8.9
The decision maker in the home doesn't want it	4.7	6.9	2.7	0	13.6	7.2	0	7.7	0	4.1	6.8	4.4	3.2	9		0	9.7	9.4	0	0		0	0	7.3	0	18.2	0
It's temporary, we will put internet soon	5.3	7.8	3.1	63.2	6.3	7.6	5.4	0	0	5.8	3.6	0	3.2	19.9		8.4	0	0	0	45.2		0	0	22.2	0	0	0
To save, it's expensive	0.8	1.7	0	0	0	0	0	4.4	0	1.1	0	0	1.8	0		1.8	0	0	0	0		0	0	0	0	0	2.4
We use the neighbour's Wi-Fi	5.5	5	5.9	36.8	12	14.5	0	0	0	7.1	0	4.4	5.1	8.6		6.8	13.2	0	0	0		0	100	16	3.4	0	0
Other replies	3.5	3.7	3.3	0	13.6	8.1	0	0	0	4.5	0	0	0	17.9		3.8	0	0	0	54.6		7.3	0	7.3	7.1	0	0
P2. DO YOU PERSONALLY HAVE A SMARTPHONE?	727	348	382	72	144	172	133	112	98	597	130	99	307	321		433	77	126	27	66		65	176	283	139	25	41
Yes	86.7	89.6	84.1	98.4	96.8	91.6	87.9	78.3	61.7	84.8	87.2	93	93.2	84.1		85.3	64.3	64.3	96.4			100	99	95.1	73.7	77.9	4.3
No	13.3	10.4	15.9	1.6	3.2	8.4	12.1	21.7	38.3	13.7	11.3	35.2	12.8	7		6.8	15.9	34.7	35.7	3.6		0	1	4.9	26.3	22.1	95.7
Smartphone owner base	631	309	321	70	140	157	117	88	89	516	116	64	268	299		404	68	82	17	63		65	173	289	103	19	27
P2-A. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?																											
Yes	92	91.1	92.8	96.3	91	94.1	93.1	88.1	8.7	92.7	88.6	82.5	91	94.9		94.2	86.5	84.6	89.9	93.3		100	97.6	92.5	80.5	70.2	65.9
No	7.4	8.6	6.3	3.7	8.3	5.9	6.9	10.8	10.2	6.5	11.4	17.5	7.8	4.9		5.5	11.9	13.4	10.1	6.7		0	2.4	6.7	19	24.4	34.1
Doesn't know	0.6	0.3	0.9	0	0.7	0	0	1.2	28	0	0	0	1.2	0.2		0	0	0	0	0		0	0	0.8	0.6	5.3	10
No data plan base	47	27	20	3	12	9	8	9	6	24	13	11	21	16		22	8	11	2	4		0	4	18	19	5	1
P2-B. FOR WHAT REASON?																											
I cannot afford it	17.6	17.6	17.6	0	10.4	13.5	71.7	0	0	10.7	35.2	11.1	25.2	11.7		19.3	36.7	0	65.1	0		0	0	12.9	24	26.5	0
It's not necessary, I have enough with Wi-Fi	27.9	32.3	22.2	39	44	37.8	0	25.1	18.7	34	12.2	44.1	27.5	16.1		34.1	14.5	30.4	0	24.2		0	30.4	32	25.5	23.5	0
It's not necessary, I don't need internet on the mobile	29.3	17.7	45.3	61	15.8	11.1	28.3	50.7	40.5	34.6	17.3	29.5	22.4	40.4		23.1	22.6	42.8	0	37.9		0	0	0	0	0	0
I don't want to be tied to a company / Prepaid	8.6	13.1	29.9	0	0	0	0	0	21	3.7	21.3	9.9	11.3	3.9		5	0	21.5	0	13.6		0	14.1	6.2	6.4	23.5	0
More than 3 months and less than one year ago	6.6	6.9	6.1	0	5	13.5	0	13.3	0	7.4	4.4	0	6	12.4		13.8	0	0	0	0		0	30.4	10.2	0	0	0
Other replies	7.4	8.6	5.8	0	19.7	0	0	0	19.8	5.6	3.6	0	2.8	15.5		0	16.3	5.3	34.9	24.2		5.7	0	5.7	9.4	0	100
Doesn't know	2.2	3.9	0	0	0	0	0	10.9	0	3.1	0	0	4.9	0		4.6	0	0	0	0		0	25.1	0	0	0	0
Total base	727	348	382	72	144	172	133	112	98	597	130	99	307	321		433	77	126	27	66		65	176	283	139	25	41
P3. WHEN WAS THE LAST TIME YOU USED INTERNET?																											
Today or yesterday	38.6	92.1	85.4	98.4	97.7	94.2	88.6	78.9	67.4	84.1	92.5	87	88.4	88.4		94.1	84.1	70.9	75.2	96.4		100	99.4	98.1	81	63.8	0
In the last week	4	4.9	1.6	2.3	3.8	3.7	7.5	5.3		3.8	5	8	5.2	1.7		3.6	4.3	5.8	8.1	1.7		0	0	1.9	13.7	18.7	0
Between two and four weeks ago	0.9	0.5	1.1	0	0	0	1.4	1.3	0	1.7	1.1	0.4	0.4	0.9		1.4	0.6	1.9	0.9	1.9		0	0	0	0	0	0
More than one month and less than 3 months ago	0.9	0.8	1	0	0	0.6	2.4	0	2.3	0.7	1.6	2.3	1	0.3		0.6	2.9	1.3	0	0		0	0	0	2.8	10.7	0
More than 3 months and less than one year ago	0.3	0.5	0.2	0	0	0	0	2.2	0	0.3	0.4	1.2	0.4	0		0.1	2.4	0	0	0		0	0	0	0	0	7.9
More than one year ago	4.3	2	6.4	0	0	0	0	6.3	21.4	5.2	0.4	21.4	2.9	0.4		1.2	4.9	16.2	8.4	0		0	0	0	0	0	56.5
Doesn't know	12.1	0.4	0	0	0	0	0	0	0	1.2	0.6	0.4	0	0		0.6	0.6	0	0	0		0	0	0	0	0	0
Has used internet in the last 3 months base	686	323	352	72	144	172	128	98	73	507	129	75	253	316		420	71	99	23	66		65	176	283	139	25	41
P4. COULD YOU TELL ME ALL THE DEVICES YOU USE TO CONNECT WITH?																											
Mobile	88.3	90.3	86.4	95.1	95.3	93.3	83.6	83.9	69.5	87.3	92.3	87	88.4	88.4		91.7	82	73.3	85.7	96.4		100	98.1	92.2	64.3	77.4	0
Tablet	35.8	39	32.9	72.6	29.3	42	35.6	37.7	34	37.7	27.9	22.6	34.6	40.1		38.1	30.8	34.7	26.9	31.3		85.8	67.3	18.8	12.8	7.5	0
Laptop	67	69.5																									

	TOTAL	SEX		AGE						NATIONALITY		EDUCATION LEVEL					OCCUPATION						USAGE TYPE				
		Men	Women	16-24	25-34	35-44	45-54	55-64	65-74	Spanish	Foreign	Low	Middle	High	None/ly	Working	Unemployed	Retired	Homemaker	Student	NR	Hyperconnected	Advanced	Intermediate	Basic	Sporadic	Nonuser
Total Data	727	346	382	72	144	172	133	112	93	597	130	99	307	321		433	77	128	27	66		68	178	282	139	26	41
ID1. DISTRICT																											
Example	18	17.9	18.1	18.7	20	16.8	17.8	17.5	17.4	17.1	22.1	17.6	14.1	21.8		16.4	18.8	16.5	11.6	33		14.3	20	18.6	20	12.5	7.5
Les Corts	29.9	29.5	30.3	32.4	26.7	24.8	27.7	34.9	39.4	32.2	19.6	33.1	38.2	21.1		29.8	24.4	32.6	48.8	24.3		14	28.3	32.8	33	25.1	34.7
Gràcia	22	21.4	22.6	19.2	26.8	24	20.7	19	18.5	21.1	25.9	11.3	16.7	30.4		23.4	22.8	20	14.1	19.1		17.4	20	25.7	18.8	10.1	30.5
Sant Martí	30.1	31.2	29.1	29.6	26.5	34.4	33.8	28.6	24.7	29.6	32.4	38	31	26.8		30.4	34	30.9	25.4	23.6		54.2	31.7	22.9	28.2	52.4	27.3
ID2. GREATER DISTRICT																											
L'Antiga Esquerra de l'Eixample	18	17.9	18.1	18.7	20	16.8	17.8	17.5	17.4	17.1	22.1	17.6	14.1	21.8		16.4	18.8	16.5	11.6	33		14.3	20	18.6	20	12.5	7.5
Les Corts	19.7	19.5	19.9	21.9	17.1	16.3	18.5	23	26	21.2	12.9	23.7	26.3	12.2		19.9	16.1	19.7	42.2	13.7		8.7	16	23.8	21.7	18.1	19.1
La Maternitat i Sant Ramon	10.2	10.1	10.3	10.5	9.6	8.5	9.2	11.9	13.5	11	6.7	9.4	11.9	8.9		9.9	8.3	13	6.6	10.6		5.4	12.3	9	11.2	7	15.6
La Vila de Gràcia	22	21.4	22.6	19.2	26.8	24	20.7	19	18.5	21.1	25.9	11.3	16.7	30.4		23.4	22.8	20	14.1	19.1		17.4	20	25.7	18.8	10.1	30.5
El Parc, la Llacuna i la Vila Olímpica	10.6	10.9	10.2	12.6	9.6	9.8	11.3	11.8	9.5	10.3	12	6.7	11.1	11.2		11.2	9.4	10.5	4.5	10.1		13	12.7	10	9.9	12.1	2.9
El Poblenou i Diagonal Mar	18.5	20.3	18.9	17.1	16.9	24.6	22.5	16.8	15.2	19.3	20.4	31.3	19.9	15.6		19.2	24.6	20.4	20.9	13.6		47.2	19	13	18.3	40.3	24.4
ID3. SEX																											
Man	47.5	100	0	51.4	47	45.1	47.4	45.3	44.9	47.7	46.4	54.8	46.1	44.8		50.8	44.6	46.3	0	49.6		59.8	49.7	47.4	43.6	51.9	30.1
woman	52.5	0	100	48.6	53	50.9	52.6	54.7	55.1	52.3	53.6	45.2	51.9	55.4		49.2	55.4	53.5	100	50.4		40.4	50.3	52.6	56.4	48.1	69.9
ID4. AGE																											
16 to 24	9.8	10.7	9.1	100	0	0	0	0	0	9.9	9.7	16.4	13	4.8		5.1	2.4	0	2.2	71.5		15.6	10.1	11.7	7.8	0	0
25 to 34	19.9	19.7	20	0	100	0	0	0	0	17.4	31.1	19.9	15.6	23.9		24.1	25.8	0.9	8.4	25.7		17.3	16.1	28.2	16.5	9	0
35 to 44	23.6	24.4	22.8	0	0	100	0	0	0	20.3	38.9	13.6	21.8	28.4		32.7	26.2	1.8	20.9	2.8		23	38.3	22.2	16.1	18.5	0
45 to 54	18.3	18.2	18.3	0	0	0	100	0	0	19.2	14.1	14.8	19.6	18.1		23.4	26.2	3.3	22.3	0		29.6	15	13.8	25.9	28.2	12.9
55 to 64	15.4	14.7	16	0	0	0	0	100	0	17.5	5.6	11.7	18.2	13.9		13.6	17.4	25	31.7	0		12.7	12.6	14.4	14.3	27.5	34.6
65 to 74	13	12.3	13.7	0	0	0	0	0	100	15.7	0.8	23.6	11.9	10.9		1	0	69	14.5	0		1.9	8	9.7	19.3	15.8	52.5
ID5. NATIONALITY																											
Spanish	79.7	79.6	79.8	81.5	69.3	66.9	82.9	91.5	98.9	97.1	0	80	83.7	75.8		77	76.5	98.3	68.6	70.9		86	82.4	75.9	74.8	86.9	97.2
Spanish + other	2.3	2.9	1.9	0.8	2.6	3.6	3.3	2	0	2.9	0	2.2	2	2.7		2.6	5.7	0	0	2.5		1.9	2.4	3	2.3	0	0
Foreign	17.8	17.5	18.3	17.6	28	29.5	13.8	6.5	1.1	0	100	17.7	14.3	21.4		20.5	17.7	1.7	31.4	26.7		12.1	15.1	21.2	22.9	13.1	2.8
ID6. OCCUPATION																											
Working	59.6	63.8	55.8	31.1	72.3	82.7	76.2	52.6	4.8	57.7	68.1	37.9	56.6	69.1		100	0	0	0	0		81.5	69.4	58.6	52.5	59.8	13.8
Unemployed	10.5	9.9	11.1	2.6	13.7	11.7	16.2	11.9	0	10.6	10.4	9.8	14	7.5		0	100	0	0	0		4.6	8.3	12.2	13	4.5	13.6
Retired / Pensioner	17.2	16.9	17.5	0	0.8	1.3	3.2	27.9	91.1	20.6	1.6	29.9	15.3	15.1		0	0	100	0	0		1.9	11.2	13.4	22.9	33.3	64.3
Homemaker (unpaid)	3.6	0	6.9	0.8	1.5	3.2	4.5	7.5	4.1	3	6.4	5.1	3.7	3.1		0	0	0	100	0		1.7	2.3	3.2	6.1	2.4	8.3
Student	9	9.4	8.6	65.5	11.7	1.1	0	0	0	8.1	13.4	17.3	10.4	5.2		0	0	0	0	100		10.3	8.8	12.7	5.5	0	0
ID7. WHAT IS YOUR LEVEL OF COMPLETED OFFICIAL STUDIES?																											
Unfinished compulsory studies	0.3	0.5	0	0	0	0	1.4	0	0	0.2	0.4	1.8	0	0		0.1	0	1	0	0		0	0	0	0	0	4.5
Compulsory	13.4	15.2	11.7	22.7	13.7	7.9	9.7	10.4	24.7	13.5	13.1	98.2	0	0		8.5	12.7	22.7	19.1	26.2		3.6	5.2	9.6	17.8	46.5	54.9
Postcompulsory	24.8	26.2	23.5	39.7	19.8	22.5	22.6	34	17.5	25.5	21.4	0	58.7	0		24.3	29.1	18.4	21.3	36.2		18.1	21.6	29.1	25.9	17.5	19.3
Professional postcompulsory	17.4	16.6	18.2	16.2	13.3	16.5	22.7	15.8	20.9	18.6	12.3	0	41.3	0		15.8	26.8	19.1	22	12.3		13.5	12.5	19	21.5	26.9	14.2
University	44.2	41.5	46.6	21.4	53.2	53.2	43.6	39.9	36.9	42.3	52.8	0	0	100		51.2	31.4	38.8	37.7	25.3		64.9	60.7	42.3	34.7	9	7.2
USAGE TYPE																											
Hyperconnected	8.9	11.2	6.8	14.1	7.7	8.6	14.4	7.3	1.3	9.5	6	2.3	6.6	13.1		12.2	3.9	1	4.2	10.2		100	0	0	0	0	0
Advanced	24.1	25.2	23.1	24.6	19.5	39.1	19.7	19.7	14.7	24.9	20.3	9.2	19.4	33.1		28	18.9	15.7	15	23.5		0	100	0	0	0	0
Intermediate	38.9	38.8	38.9	46	55.3	36.5	29.3	36.4	28.9	37.3	45.9	27.3	44.3	37.2		38.2	45	30.2	33.7	54.7		0	0	100	0	0	0
Basic	19.2	17.6	20.6	15.3	15.9	13	27.2	17.8	28.3	18	24.4	25	21.5	15.1		16.9	23.6	25.5	32	11.6		0	0	0	100	0	0
Sporadic	3.4	3.7	3.1	0	1.6	2.7	5.5	6.1	4.1	3.6	2.5	11.6	3.6	0.7		3.4	1.4	6.6	2.3	0		0	0	0	0	100	0
Nonuser	5.6	3.6	7.5	0	0	0	4	12.7	22.7	6.7	0.9	24.5	4.5	0.9		1.3	7.3	21	12.9	0		0	0	0	0	0	100

122 Appendix

	TOTAL										SEX		AGE		NATIONALITY		EDUCATION LEVEL				OCCUPATION				USAGE TYPE										
	Man					Woman					10-24	25-34	35-44	45-54	55-64	65-74	Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	MR	Hyperconnected	Advanced	Intermediate	Basic	Spontic	Nonuser	
Total base	608	282	326	77	103	124	116	101	86								516	92	71	172	365			370	39	107	28	65	94	183	228	69	12	23	
Pl-5.¿SU HOGAR ESTÁ CONECTADO A INTERNET?																																			
Yes	93.9	91.4	96.1	100	94.2	95.7	92.7	93	88.4								94.6	90.3	82.5	93.3	96.5			94.2	94.5	88.3	96.3	100	100	98.1	97.2	87.3	88.8	25.9	
No	15.1	8.6	3.9	0	5.8	4.3	7.3	6.7	11.6								17.4	9.7	17.5	6.7	3.5			5.8	5.5	11.7	3.7	0	17.9	1.9	12.7	11.2	76.1	74.0	
Connected home base	971	259	313	77	97	118	108	94	76								488	82	59	160	352			348	36	94	27	65	94	179	221	60	10	6	
Pl-6.¿VIA WHAT TYPE OF CONNECTION?																																			
ADSL / VDSL / FIBRE	42	39.9	43.7	48	39.7	46.5	43.5	44.9	26.4								40.7	49.5	50.9	42.8	40.2			42.8	54.2	33.1	42.6	43.5	37.5	37.9	45.7	41.4	70	56.3	
Optic fibre	53.3	56	51.1	49.3	54.9	51.8	50.6	48.2	67.8								54.9	44.2	38.4	51.8	56.5			52.6	45.8	59.9	40.5	53.3	61.4	59	51	42.5	19.9	9	
Fibre and coaxial hybrid	0.6	0.4	0.7	0	0	0	0	2	1.1	0							0.4	1.3	0	0.7	0.6			0.6	1	1	1	0	0	12	0.5	0	0	0	
Other systems	0.6	0.8	0.3	0	0	0	0	2.2	0								0.6	0.4	0.9	1.3	0.8			0.6	0	1.1	0	0	0	0.9	0	0.9	1.7	1.7	
Doesn't know	3.6	2.8	4.2	2.7	5.4	1.8	2.9	3.6	5.8								3.3	5	10.7	4.7	1.9			3.4	0	4.7	7.9	3.2	11.9	1.9	14.3	10	34.7		
Not connected home base	37	24	13	0	6	5	8	7	10								28	9	12	11	13			27	2	12	1	0	0	3	6	9	1	7	
Pl-7. FOR WHAT REASON ARE YOU NOT CONNECTED?																																			
We cannot afford the connection	12.7	15	8.3	0	17.5	24.2	15.3	14.8	0								3.8	40.6	10.3	11.2	16.2			17.1	0	8.4	0	0	0	30.9	0	26.7	0	7.5	
We don't need it, we use internet from smartphone / tablet	12.9	9.9	28.7	0	26.3	19.2	28.1	0	0								15.1	42.5	15.1	42.4	22.4			22.4	0	1	1	0	0	0	38.5	25.3	21.3	0	0
We don't need it, we use internet from other places	7.3	5.6	10.4	0	0	20.5	15.7	3.8	0								8.6	4.0	0	4.7	16.6			12.6	0	0	0	0	0	0	18.7	15.5	20.5	0	0
We don't need it, we use internet on internet	45.1	45.8	43.8	0	0	40.2	40.9	29.3	89.5								51.9	23.9	70.7	49.5	16.5			24.7	100	74.4	0	0	0	0	0	12.5	79.5	84.5	
We are not interested	3.7	2.9	0	0	0	0	19.1	21	0								4.9	21	13.3	0	21			8.8	0	0	0	0	0	0	0	0	0	7.9	
It's temporary, we will put internet soon	11.3	12.9	8.3	0	17.3	0	0	29.3	10.5								11.2	11.6	8.4	0	24.1			14.7	100	8.4	0	0	0	0	30.6	33.1	12	0	
We use the neighbour's Wi-Fi	7.1	5.3	10.4	0	38.9	0	0	3.8	0								4.6	14.8	0	20.4	21			7.5	0	0	100	0	0	0	23.8	12	0	0	
Pl-8. DO YOU PERSONALLY HAVE A SMARTPHONE?	608	282	326	77	103	124	116	101	86								516	92	71	172	365			370	39	107	28	65	94	183	228	69	12	23	
Yes	93.4	92.9	93.8	98.7	98.7	97	92.8	93.1	78.1								93	95.7	84.3	93.5	95.1			96.3	93.2	79.8	95.2	98.4	98.6	100	96.2	82.1	97.7	23.8	
No	6.6	7.1	6.2	1.3	1.3	3	7.2	6.9	21.9								7	4.3	15.7	6.5	4.9			3.7	6.8	20.2	4.8	1.1	1.3	3.8	17.9	23	76.2		
Smartphone owner base	968	262	306	76	102	120	108	94	78								480	88	60	191	347			356	36	95	27	64	92	183	219	67	12	6	
Pl-9. DO YOU HAVE A DATA PLAN ON YOUR SMARTPHONE?																																			
Yes	96.9	96.4	97.4	98.2	95.2	95.9	99	95.6	88.5								98.1	90.5	91.8	95.6	98.4			97.4	93.5	96.3	95.2	97.9	100	97.3	97.3	92.2	100	62.2	
No	3.6	3.6	2.6	1.8	4.8	4.1	1	4.4	1.5								1.9	9.5	8.2	4.4	1.6			2.6	6.5	3.7	4.8	2.1	0	2.7	2.7	7.8	37.8		
Not a plan base	17	0	0	1	5	5	1	4	1								9	8	5	7	8			9	2	3	1	1	0	0	5	0	4	2	
Pl-10. FOR WHAT REASON?																																			
I cannot afford it	13.4	25	0	0	26.2	0	0	25.2	0								0	28	0	18.3	19.2			0	55.4	33.5	0	0	0	0	0	21.6	23.8	0	0
It's not necessary, I have enough with Wi-Fi	40.1	57.7	42.7	0	43.5	25.5	42.7	0	0								37.1	43.5	29.8	42.7	37.1			38.5	57	66	100	1	0	0	50.7	26.6	40	0	
It's not necessary, I don't need internet on the mobile	31.3	33.4	28.8	0	0	47.5	100	49.9	0								45.8	15.4	42.2	18.3	38.1			47.3	44.6	0	0	0	0	0	20.9	21.6	23.5	0	100
To save / It's expensive	7.4	13.8	0	0	26.2	0	0	0	0								14.2	0	0	18.3	0			13.8	0	0	0	0	0	0	0	21.6	0	0	
Other replies	1.5	2.9	0	0	19.9	0	0	0	0								3	0	5.5	0	0			0	0	0	0	0	0	5.4	0	0	0		
Doesn't know	6.3	0	13.5	80.1	0	0	0	0	0								0	13.1	0	15.5	0			0	0	0	0	80.1	0	21.9	0	0	0	0	
Total base	608	282	326	77	103	124	116	101	86								516	92	71	172	365			370	39	107	28	65	94	183	228	69	12	23	
Pl-11. WHEN WAS THE LAST TIME YOU USED INTERNET?																																			
Today or yesterday	93.2	92.1	94.2	100	99	97.2	93.9	88.6	78.7								93.4	92.3	80.7	91.3	96.5			96.3	97.3	77.7	90.5	100	98.9	99.4	99.5	83.2	70.4	0	
In the last week	2.5	2.3	2.6	0	1	0	2	5.9	6.7								2.5	2.6	3.3	2	2.6			1	0	8.5	8.6	0	1	0	0.6	0.5	13.7	20.7	0
Between two and four weeks ago	0.5	0.7	0.3	0	0	0	0	2	1.2								0.6	0	0	1.8	0			0.3	0	8.9	0	0	0	0	0.4	0	3	8.9	0
More than 3 months and less than one year ago	0.4	0.4	0.4	0	0	1	0.9	0	0								0.2	1.4	3.3	0	0			0.6	0	0	0	0	0	0	0	0	0	10.1	0
More than one years ago	0.6	0.9	0.3	0	0	1.7	1.1	0.3	0								0.3	2.6	1.8	1.2	0.1			0	1.6	0	0	0	0	0	0	0	0	15.9	0
I never use internet	2.8	3.6	2.2	0	0	0	0	0	3.1								3.1	1.1	10.9	3.6	0.9			0.8	2.7	11.9	1	0	0	0	3.9	0	0	74	0
Has used internet in the last 3 months base	585	266	316	77	103	120	111	97	78								497	87	60	164	301			361	38	102	28	65	94	183	226	69	12	0	
Pl-12. COULD YOU TELL ME ALL THE DEVICES YOU USE TO CONNECT WITH?																																			
Mobile	93.8	92.6	94.8	98.3	98.7	95.3	94.6	94.4	78								93.1	97.9	94.3	94.4	93.5			97.4	91	81.2	83.5	98	97.5	99.9	96.6	64.6	88.8	0	0
Tablet	49.3	48.2	50.2	52.7	51.9	52.7	51.4	51.6	30.5								50.4	43.1	35.6	39.9	55.9			55.3	37.3	31.3	55.4	48.2	94.1	79.4	22.5	39	9.2	0	
TV	71.3	69.3	73	78.3	79.8	74.8	68.6	64.7	26								72.3	69.7	68.6	67.2	66.6			74.9	67.9	67.9	67.9	67.9	94.1	67.9	67.9	67.9	67.9	67.9	0
Home desktop	27	31.6	23.1	24.7	16.3	27.7	31.9	32	29.4								30	10	26.6	26.1	27.5			22.8	28	26.1	27.6	26.7	54	26.9	20.4	17.1	0	0	
Work desktop	13.5	14.4	12.7	0	15.9	17.4	17.9	21.8	0.4								13.5	13.2	0	4.3	19.9			21.9	0	0	0	0	0	36.7	13.2	7.5	3	11.1	0
Video centre desktop	0.8	0.7	0.9	0	0	0	0	0	0								0.7	1.2	0	0	0.3			0.7	0	0	0	0	0	0	0	0.4	0	0	
Video game console	6.4	10.1	3.2	15.6	9.1	6.6	6.1	0	1								6.9	3.7	6.1	8.9	5.3			6	6.3	0	3.9	18.7	30	3.8	0.5	1.9	0	0	
iPod	0.4	0	0	0	1.7	0.5	0	0.2	0.3								0.5	0	0.5																

	TOTAL	SEX		AGE							NATIONALITY		EDUCATION LEVEL				OCCUPATION						USAGE TYPE					
		Man	Woman	16-24	25-34	35-44	45-54	55-64	65-74		Spanish	Foreign	Low	Middle	High	No reply	Working	Unemployed	Retired	Homemaker	Student	NR	Hyperconnected	Advanced	Intermediate	Basic	Sporadic	Nonuser
Total Base	608	282	326	77	103	124	116	101	86		516	92	71	172	365		370	39	107	28	65		84	183	228	69	12	23
ID1. DISTRICT																												
Example	22,3	22,7	21,9	19	26,4	24,6	19,9	22,9	19,4		20,2	34,3	29,5	17,7	23		22,7	32,6	21,7	15	17,8		38,1	17,8	18,5	28,9	35,6	4,5
Les Corts	5,7	5,7	5,6	6,3	5	5,2	5,6	5,9	6,6		5,6	6,2	3,8	4,9	6,4		4,7	7,7	6,6	9,6	6,7		6	5,5	4,7	9	6,9	4,7
Sarrià-Sant Gervasi	7,2	71,5	72,4	74,7	68,7	70,1	74,5	71,2	74		74,2	59,5	66,8	77,4	70,5		72,5	59,7	71,8	75,4	75,5		55,9	76,7	76,8	62	57,5	90,8
ID2. GREATER DISTRICT																												
La Dreta de l'Eixample	22,3	22,7	21,9	19	26,4	24,6	19,9	22,9	19,4		20,2	34,3	29,5	17,7	23		22,7	32,6	21,7	15	17,8		38,1	17,8	18,5	28,9	35,6	4,5
Pedralbes	5,7	5,7	5,6	6,3	5	5,2	5,6	5,9	6,6		5,6	6,2	3,8	4,9	6,4		4,7	7,7	6,6	9,6	6,7		6	5,5	4,7	9	6,9	4,7
Sarrià, les Tres Torres i Vallvidrera	21,9	22,1	21,7	24,2	19,1	21,9	23,3	21,7	21,7		22,6	18,1	29,2	20,6	21,1		21,9	18,9	19,5	23,9	25,7		12,2	13,7	28,8	25,9	26,4	44,9
Sant Gervasi-la Bonanova i el Poblet	27,2	27	27,3	28,6	27,4	27,1	26,7	28,9	28,4		28	22,5	25,3	35,3	23,7		25,8	26,7	33,9	19,4	27,9		19,3	33,2	28,4	20,6	21,9	22,3
Sant Gervasi-Galvany	23	22,4	23,4	23,9	22,1	21,2	24,4	22,7	24		23,7	19	12,2	21,6	25,7		24,8	14,1	18,4	31,1	21,9		24,4	29,8	19,6	15,8	9,2	23,6
ID3. SEX																												
Man	46,4	100	0	49,3	48,1	47,4	45,9	44,6	43		47,1	42,5	43,4	51,2	44,7		48,3	54,4	47,8	0	48,7		56,5	41,9	46,6	41,1	37,9	59,1
woman	53,6	0	100	50,7	51,9	52,6	54,1	55,4	57		52,9	57,5	56,6	48,8	55,3		51,7	45,6	52,2	100	51,3		43,5	58,1	53,4	58,9	62,1	40,9
ID4. AGE																												
16 to 24	12,7	13,5	12,1	100	0	0	0	0	0		13,5	8,4	42	25,5	1		3,8	5,4	0	0	94,7		16,9	14,2	14,3	4,5	0	0
25 to 34	17	17,6	16,5	0	100	0	0	0	0		13,8	34,9	9,6	15,1	19,4		23,4	25,9	0	13,2	5,3		20	19,1	20,3	5,3	0	0
35 to 44	20,3	20,8	20	0	0	100	0	0	0		18	33,5	12,5	13,8	25		28,9	19,6	1,2	28,4	0		30,4	20,1	17,3	19,5	17,7	14,8
45 to 54	19,1	18,9	19,2	0	0	0	100	0	0		19,6	16,1	9,2	17,2	21,9		25	33,5	2,2	29,2	0		17,5	18,1	22,1	14,4	13,2	20,2
55 to 64	16,6	16	17,1	0	0	0	0	100	0		18,5	6,1	5,9	13,9	19,9		17,1	15,6	23,4	23,4	0		12,9	21,1	12,9	18,7	40,2	14,9
65 to 74	14,2	13,2	15,1	0	0	0	0	0	100		16,5	1,1	20,8	14,5	12,8		1,8	0	73,2	5,8	0		2,2	7,4	13,2	37,5	28,9	50,1
ID5. NATIONALITY																												
Spanish	82,4	84	81	88,4	65,3	73,2	86,8	90,8	95,1		97,1	0	76,5	81,5	84		78,2	80,9	95,8	71,1	90,1		80,3	82,2	86,9	71,8	82,3	79,6
Spanish + other	2,5	2,2	2,8	1,7	3,8	1,9	0,5	3,7	3,7		2,9	0	1,8	3,7	2		3,1	0,7	2	4,6	0		1,1	2,7	0,7	5,4	0	0
Foreign	15,1	13,9	16,2	9,9	31	24,9	12,8	5,5	1,2		0	100	21,7	14,9	14		18,7	18,4	2,2	24,3	9,9		14,6	15,1	12,4	22,8	17,7	20,4
ID6. OCCUPATION																												
Working	60,8	63,3	58,7	18,1	83,5	86,4	79,7	62,8	7,8		58,2	75,3	35,5	47,1	72,2		100	0	0	0	0		74,3	69,6	57,8	38,2	50,7	39,5
Unemployed	6,4	7,5	5,4	2,7	9,7	6,1	11,2	6	0		6,1	7,7	4,4	11,8	4,2		0	100	0	0	0		5,4	3,9	9,1	6,9	0	4,5
Retired / Pensioner	17,5	18,1	17,1	0	0	1	2	24,7	90,3		20,2	2,6	22,3	17,5	16,7		0	0	100	0	0		1,1	13,1	15,9	41,1	37,8	54,6
Homemaker (unpaid)	4,6	0	8,6	0	3,6	6,5	7,1	6,5	1,9		4,1	7,4	1,8	3,7	5,6		0	0	0	100	0		3,4	3,6	4	10,8	11,5	1,2
Student	10,7	11,2	10,2	79,2	3,3	0	0	0	0		11,3	7	36	20	1,3		0	0	0	0	100		15,8	9,8	13,1	3	0	0
ID7. WHAT IS YOUR LEVEL OF COMPLETED OFFICIAL STUDIES?																												
Unfinished compulsory studies	0,2	0,4	0	0	1	0	0	0	0		0	1,1	1,5	0	0		0,3	0	0	0	0		0	0	0	1,5	0	0
Compulsory	11,6	10,6	12,4	38,6	5,6	7,2	5,7	4,2	17,2		10,8	15,7	98,5	0	0		6,6	8,1	14,9	4,6	39,7		5,3	7,5	10	19,3	35,4	49,3
Postcompulsory	18,4	21,7	15,5	43,5	16,7	9,8	19,4	16,4	11,3		17,6	29	0	65,1	0		13,8	40,1	13,3	9,4	44,3		13,5	15,2	18,5	30,8	17,7	25,5
Professional postcompulsory	9,9	9,5	10,2	13,2	8,3	8,4	6,2	7,3	17,5		10,8	4,8	0	34,9	0		8,2	12,3	14,8	13,1	8,7		5,9	8,7	12,1	12	2,3	10,4
University	60	57,8	61,9	4,7	68,4	73,6	68,8	72,1	54,1		60,8	55,4	0	0	100		71,2	39,5	57	73	7,3		75,2	68,6	59,4	36,4	44,6	14,9
USAGE TYPE																												
Hyperconnected	15,4	18,8	12,5	20,5	18,1	23	14,2	12	2,4		15,5	14,9	7	10,6	19,3		18,8	13	1	11,5	22,9		100	0	0	0	0	0
Advanced	30	27,2	32,6	33,5	33,7	29,7	28,6	38,1	15,7		30,1	29,9	19,2	25,4	34,4		34,4	18,4	22,4	23,4	27,8		0	100	0	0	0	0
Intermediate	37,4	37,6	37,3	42	44,6	31,9	43,3	29	34,6		38,6	30,7	31,8	40,6	37		35,6	53,6	34	32,8	46,2		0	0	100	0	0	0
Basic	11,3	10	12,5	4	3,6	10,9	8,6	12,8	29,9		10,3	17,1	20,1	17,2	6,9		7,1	12,3	26,6	26,5	3,2		0	0	0	100	0	0
Sporadic	1,9	1,6	2,2	0	0	1,7	1,3	4,7	3,9		1,9	2,3	5,9	1,4	1,4		1,6	0	4,2	4,8	0		0	0	0	0	100	0
Nonuser	3,8	4,9	2,9	0	0	2,8	4	3,4	13,4		3,6	5,1	16	4,8	0,9		2,5	2,7	11,9	1	0		0	0	0	0	0	100

The Digital Divide in Barcelona

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