

This is the exhaustive list of **indicators for the OECD database on ICT Access and Usage by businesses**. This list - *updated for the 2023 data collection* - is based on a selection among the indicators provided in the Annex 2 of the *2nd revision of the OECD Model Survey on ICT Access and Usage by businesses*.¹

1. See "The OECD Model Survey on ICT Access and Usage by Businesses, 2nd Revision, Working Party on Measurement and Analysis of the Digital Economy", OECD 2015.
<https://www.oecd.org/sti/ieconomy/ICT-Model-Survey-Usage-Businesses.pdf>

indicators

Code	Short Title	Long title
A. Connectivity		
A1	Persons employed regularly using a computer in their work (total number of)	Total persons employed regularly using a computer in their work
A2	Businesses with a broadband connection -includes both fixed and mobile- (%)	Businesses with a broadband connection (includes both fixed and mobile)
A2a	Businesses with wired or fixed wireless broadband connection (%)	Businesses with wired or fixed wireless broadband connection
A2b	Businesses with mobile broadband connection (%)	Businesses with mobile broadband connection
A3a	Businesses for which the download speed is less than 2 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is less than 2 Mbit/s
A3b	Businesses for which the download speed is at least 2 Mbit/s but less than 10 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 2 Mbit/s but less than 10 Mbit/s
A3c	Businesses for which the download speed is at least 10 Mbit/s but less than 30 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 10 Mbit/s but less than 30 Mbit/s
A3c1	Businesses with a broadband download speed less than 30 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is less than 30 Mbit/s (%)
A3d	Businesses for which the download speed is at least 30 Mbit/s but less than 100 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 30 Mbit/s but less than 100 Mbit/s
A3d_e	Businesses with a broadband download speed at least 30 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 30 Mbit/s (%)
A3e	Businesses for which the download speed is at least 100 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 100 Mbit/s
A3f	Businesses with a broadband download speed at least 100 Mbit/s but less than 500 Mbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 500 Mbit/s but less than 1 Gbit/s
A3g	Businesses with a broadband download speed at least 500 Mbit/s but less than 1 Gbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 100 Mbit/s but less than 500 Mbit/s
A3h	Businesses with a broadband download speed at least 1 Gbit/s (%)	Businesses for which the maximum contracted download speed of the businesses fastest fixed Internet connection is at least 1 Gbit/s (%)
A4	Persons employed using computers with Internet access (total number of)	Total persons employed using computers with Internet access
A5	Persons employed provided with Internet enabled portable devices (total number of)	Total persons employed provided with Internet enabled portable devices
B. Website		
B1	Businesses with a website or home page (%)	Businesses with a website or home page
B2	Businesses with a website allowing for online ordering or reservation or booking (e.g. shopping cart) (%)	Businesses with a website allowing for online ordering or reservation or booking (e.g. shopping cart)

indicators

Code	Short Title	Long title
C. Information Management Tools		
C3a	Businesses using an ERP (Enterprise Resource Planning) software (%)	Businesses using an ERP (Enterprise Resource Planning) software
C3b	Businesses using any CRM (Customer Relationship Management) software (%)	Businesses using any CRM (Customer Relationship Management) software
C3c	Businesses using EDI (Electronic Data Interchange) (%)	Businesses using EDI (Electronic Data Interchange)
C3d	Businesses using RFID (Radio Frequency Identification) technology (%)	Businesses using RFID (Radio Frequency Identification) technology
C4	Businesses sharing electronically SCM information with suppliers and customers (%)	Businesses sharing electronically SCM information with suppliers and customers
D. Electronic Commerce		
D1	Businesses receiving orders over computer networks (%)	Businesses receiving orders (i.e. making sales) over computer networks by methods specifically designed for the purpose (includes web pages, extranet or EDI), within the last 12 months
D1a	Businesses receiving orders via EDI-type messages (%)	Businesses receiving orders (i.e. making sales) initiated via EDI-type messages, within the last 12 months
D1b	Businesses receiving orders through the internet (%)	Businesses receiving orders (i.e. making sales) through the Internet (via web pages and extranet), within the last 12 months
D2	Orders received over computer networks (%)	Percentage of total businesses turnover (excluding value added taxes) from orders received over computer networks by methods specifically designed for the purpose (includes web pages, extranet or EDI), within the last 12 months
D2a	Orders received via EDI-type messages (%)	Percentage of total businesses turnover (excluding value added taxes) from orders received via EDI-type messages, within the last 12 months
D2b	Orders received through the Internet (%)	Percentage of total businesses turnover (excluding value added taxes) from orders received through the Internet (via web pages and extranet), within the last 12 months
D2b1	Orders placed through the Internet by households/individuals (%)	Percentage of total businesses turnover (excluding value added taxes) from orders placed through the Internet (via web pages and extranet) by households/individuals, within the last 12 months
D2b2	Orders placed through the Internet by other enterprises and government (%)	Percentage of total businesses turnover (excluding value added taxes) from orders placed through the Internet (via web pages and extranet) by other enterprises and government, within the last 12 months
D7	Businesses placing orders (i.e. making purchases) over computer networks (%)	Businesses placing orders (i.e. making purchases) over computer networks by methods specifically designed for the purpose (includes web pages, extranet or EDI), within the last 12 months
D8	Orders placed over computer networks (%)	Percentage of total businesses purchases (excluding value added taxes) from orders placed over computer networks by methods specifically designed for the purpose (includes web pages, extranet or EDI), within the last 12 months
E. Security and Privacy		
E3	Businesses experiencing ICT Incidents (security breaches) (%)	Businesses experiencing ICT Incidents (security breaches), within the last 12 months
E7	Businesses with formal policy to manage ICT privacy risks (%)	Businesses with formal policy to manage ICT privacy risks

indicators

Code	Short Title	Long title
F. E-Government		
F1	Businesses using the Internet to interact with public authorities (%)	Businesses using the Internet to interact with public authorities, within the last 12 months
F1a	Businesses using the Internet to issue/send invoices (electronic or paper) to public authorities (%)	Businesses using the Internet to issue/send any type of invoices, whether in electronic or in paper form, to public authorities, within the last 12 months
G. Use of cloud computing		
G3	Businesses purchasing cloud computing services (%)	Businesses purchasing cloud computing services
G3a	Businesses purchasing cloud computing services: E-mail (%)	Businesses purchasing cloud computing services: E-mail
G3b	Businesses purchasing cloud computing services: Office software (%)	Businesses purchasing cloud computing services: Office software
G3c	Businesses purchasing cloud computing services: Finance or accounting software (%)	Businesses purchasing cloud computing services: Finance or accounting software
G3d	Businesses purchasing cloud computing services: Customer Relationship Management (CRM) software (%)	Businesses purchasing cloud computing services: Customer relationship management (CRM) software
G3e	Businesses purchasing cloud computing services: Hosting of databases (%)	Businesses purchasing cloud computing services: Hosting of databases
G3f	Businesses purchasing cloud computing services: Storage of files (%)	Businesses purchasing cloud computing services: Storage of files
G3g	Businesses purchasing cloud computing services: Computing power to run own software (%)	Businesses purchasing cloud computing services: Computing power to run own software
G7	Businesses having performed Big data analysis (%)	Proportion of businesses having performed Big data analysis
G7a	Businesses having performed Big data analysis only with own employees (%)	Proportion of businesses having performed Big data analysis only with own employees
G7b	Businesses having performed Big data analysis only with external service provider (%)	Proportion of businesses having performed Big data analysis only with external service provider
G7c	Businesses having performed Big data analysis with both own employees and external service provider (%)	Proportion of businesses having performed Big data analysis with both own employees and external service provider
G12	Businesses using 3D Printing technology (%)	Proportion of businesses using 3D Printing technology
G13	Businesses using Internet of Things (IoT) (%)	Proportion of businesses using Internet of Things (IoT)
G14	Businesses using Artificial Intelligence (AI) (%)	Proportion of businesses using Artificial Intelligence (AI)
H. CT Skills		
H1	Businesses that employ ICT specialists, within the last 12 months (%)	Proportion of businesses that employ ICT specialists, within the last 12 months
H3	Businesses that provided any type of training to develop ICT related skills of the persons employed, within the last 12 months (%)	Proportion of businesses that provided any type of training to develop ICT related skills of the persons employed, within the last 12 months
H3a	Businesses that provided any type of training to develop ICT related skills for ICT specialists, within the last 12 months (%)	Proportion of businesses that provided any type of training to develop ICT related skills for ICT specialists, within the last 12 months
H3b	Businesses that provided any type of training to develop ICT related skills for persons employed not ICT specialists, within the last 12 months (%)	Proportion of businesses that provided any type of training to develop ICT related skills for persons employed who are not ICT specialists, within the last 12 months
H4	Businesses that offered positions for ICT specialist, within the last 12 months (%)	Businesses that offered positions for ICT specialist, within the last 12 months
H5	Businesses that offered positions for ICT specialist, within the last 12 months, that were difficult to fill (%)	Businesses that offered positions for ICT specialist, within the last 12 months, that were difficult to fill

indicators

Code	Short Title	Long title
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K. Use of social media

K1	Businesses using social media (%)	Businesses using social media
bus	Businesses (total numbers of)	Businesses (total numbers of)