Data given in this chapter are based on results of the Annual Statistical Survey on the ICT Use in Enterprises (ICT 5-01), which has been carried out by the Czech Statistical Office (CZSO) since 2002. Since 2006, the survey has been conducted in accord with the Regulation (EC) No 808/2004 of the European Parliament and of the Council of 21 April 2004 concerning Community statistics on the information society. This allows obtaining of internationally comparable data within the EU28 Member States

The survey is every year conducted in the first quarter of the reference year in the sample of approximately 8 000 enterprises having 10+ employees in selected economic activities. The results are then grossed up to the whole population of the measured enterprises, which is around 40 000 enterprises with 10+ employees.

The data obtained are available **broken** by prevailing economic activities by the CZ-NACE classification, by size of enterprises measured, and by their mutual combination.

Notes

The reference period is, in case of majority of data on equipment or ICT use in enterprises, January of a given year (in this issue it is January 2019) when the survey is carried out. In the case of indicators on e-commerce, selected indicators on experience with ICT related security incidents and on ICT specialists the reference period is the whole previous year (in this issue it is 2018).

Comparability of the CZSO and Eurostat Data

Data given by Eurostat for Czechia can be slightly different from the data published by the CZSO. This difference was till 2015 caused by the fact Eurostat published data did not include all enterprises of the economic section 'financial intermediation', on the contrary to the CZSO data. Small differences are also in sampling. Some industries are defined slightly differently.

Data for international comparisons are taken from the Eurostat database for digital economy and society. The latest update was in January 2020: Detailed information can be found at: https://bit.ly/2SBKIs9

Definitions

- ICT security means measures, controls and procedures applied on ICT systems in order to ensure integrity, authenticity, availability and confidentiality of data and systems.
- Customer Relationship Management (CRM) refers to any information system or software application for managing information about customers. CRM is aimed at relationship with customers.
- The electronic data interchange (EDI) refers to the transmission of structured messages, as orders, invoices, etc., for instance, between two computer applications, information or database systems, implemented over the internet or other network and used in advance agreed format of the data messages based on standards enabling their automatic processing (EDI, EDIFACT, XML, cXML, etc.). That means the EDI is always implemented without any manual typing, retyping, or copying of the messages.
- Electronic commerce, e-commerce (purchase or sale) shall mean
 placing or accepting electronic orders via the internet or other
 computer networks by means of websites or EDI regardless of the
 method of payment or delivery. Purchases (sales) carried out on the
 basis of orders prepared from information obtained on the internet but
 placed in a traditional way (by phone, fax, or written order) or by email are not included.
- Enterprise Resource Planning (ERP) is an information system used to manage resources by sharing information among different functional areas (e.g. accounting, planning, production, marketing, etc.). ERP can be a software package or a tailored application (it can be customized to enterprises' needs).

- An extranet shall mean a closed enterprise network used for secured information sharing. It usually has a form of a special web page or extension to the intranet and serves for communication with suppliers, sellers, partners, customers, and other enterprises, which are located out of the enterprise headquarters. Access to the extranet is allowed
- after logging in.
 - Business Information Systems are applications that support processes in the areas of financial management, human resource management, manufacturing, warehouse management, customer and
 - supply chain. The most common systems are ERP, CRM, SCM, accounting programs and others. An ICT specialist refers in the survey to an employee who is an
 - expert on hardware, software, or services in ICT, and whose core activity is to contribute to new technology development or to enable use of information and communication technologies to other persons.
 - An internal computer network (LAN) shall mean a local enterprise network connecting, at least, two computers or other IT devices and most frequently serving for data transmission and sharing (files, internal emails, for instance) and, furthermore, for communication or sharing the connection to the internet within the enterprise. End devices can be connected to the enterprise computer network also by a wireless technology (WLAN).
- An intranet shall mean internal web pages and their applications revealing their contents and services exclusively to authorised users within the enterprise, as employees, management, etc. Customisation/design shall mean possibility for enterprises' website visitors to customise or design online goods or services. They can configure in case of goods e.g. size, composition, equipment; in case
 - of services e.g. scope according to customers' requests, requirements or needs. Unavailability of ICT services e.g. Denial of Service (DoS) attacks
 - (an attempt to make a computer resource unavailable to its intended users), ransomware attacks, hardware or software failures.
 - To provide employees with ICT devices shall mean to give them the possibility to use devices at work. Enterprises pay for all or at least up to a limit the subscription and the use costs.

Online social networks (e.g. Facebook, LinkedIn) shall mean online communication tools enabling the enterprises to create their own user profiles by means of which they can besides other things communicate with other users, share information or multimedia

- content. An enterprise website shall mean a web page(s) presenting the enterprise on the internet. The enterprise is expected to have control over the contents - it may be changed or modified by authorised
- persons only. Information on only enterprises' contacts published in internet databases or catalogues of enterprises are excluded. Destruction or corruption of data e.g. due to infection of malicious software (malware) or unauthorised intrusion (e.g. hacker's attack).
- Detailed information on methodology of the survey can be found in the publication Information and Communication Technologies in the Business Sphere in 2019 (code 062005-19) accessible on the CZSO website at https://bit.ly/2uwPEBc (in the Czech language only).
- Further information on the ICT use by enterprises can be found at: https://bit.ly/2SM1fFP (in the Czech language only).

Tab. D1 Enterprises in Czechia using computer networks; 2019

			%
	LAN	Intranet	Extranet
Total (10+ employees)	77,8	32,6	16,1
Small enterprises (10-49)	73,3	26,2	12,4
Medium enterprises (50-249)	93,1	50,0	25,5
Large enterprises (250+)	98,6	80,2	46,0
Industry (10+ employees):			
Manufacturing	80,6	32,7	12,8
Electricity, gas and water supply	85,7	42,5	22,4
Construction	67,3	19,6	6,6
Sale and repair of motor vehicles	86,3	37,6	16,7
Wholesale trade	86,6	38,7	23,5
Retail trade	75,7	34,6	18,7
Transport and storage	71,0	27,8	10,4
Accommodation	79,9	25,9	18,2
Food and beverage services	54,7	19,9	6,4
Travel agency and related activities	87,4	47,0	32,4
Media industries including publishing activities	98,1	63,6	34,3
Telecommunications	96,6	76,4	47,4
Computer programming and related activities	97,5	70,4	49,5
Real estate activities	84,0	31,6	17,5
Professional, scientific and technical activities	88,5	36,9	21,5
Administrative and support activities	62,5	26,0	18,9

Figure D1 Enterprises enabling employees remote access to enterprises' apps, documents or files

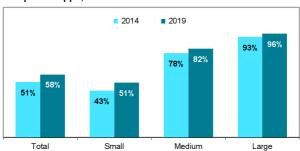
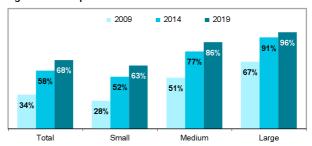


Figure D2 Enterprises with wireless Local Area Network



as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Tab. D2 Enterprises in Czechia with access to the internet; 2019

			70
		connecti	on speed*
	Total	at least	at least
		30 Mbps	100 Mbps
Total (10+ employees)	97,1	39,9	14,5
Small enterprises (10-49)	96,4	34,3	11,1
Medium enterprises (50-249)	99,5	56,8	22,9
Large enterprises (250+)	99,6	76,1	44,3
Industry (10+ employees):			
Manufacturing	98,1	35,9	11,7
Electricity, gas and water supply	97,1	59,8	21,2
Construction	95,8	35,1	10,4
Sale and repair of motor vehicles	99,1	41,0	10,8
Wholesale trade	98,7	45,1	12,6
Retail trade	93,2	37,2	14,2
Transport and storage	97,6	33,5	11,6
Accommodation	99,5	49,2	25,1
Food and beverage services	92,8	23,9	6,2
Travel agency and related activities	98,7	50,2	22,1
Media industries including publishing activities	100,0	68,1	42,1
Telecommunications	100,0	88,2	69,7
Computer programming and related activities	99,8	77,1	47,5
Real estate activities	96,4	43,8	19,3
Professional, scientific and technical activities	98,1	52,9	22,9
Administrative and support activities	95,0	32,3	12,0

Figure D3 Internet connection speed* used by enterprises

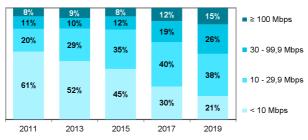
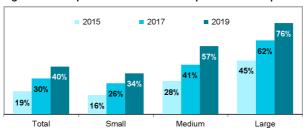


Figure D4 Enterprises with at least 30 Mbps connection speed*



as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

^{*} maximum contracted download speed of the fastest fixed internet connection

Figure D5 Small enterprises in EU countries with internet connection speed at least 100 Mbps; 2019

(as a % of small enterprises)

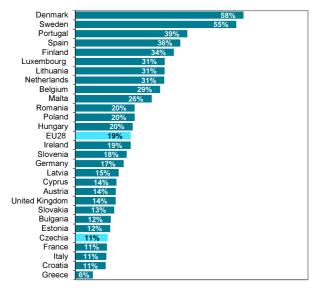
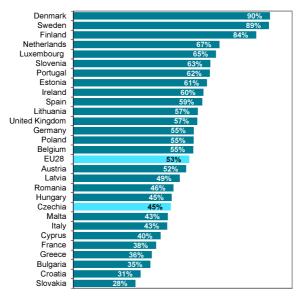


Figure D6 Large enterprises in EU countries with internet connection speed at least 100 Mbps; 2019

(as a % of large enterprises)



Source: Eurostat

Tab. D3 Enterprises in Czechia with a website

			%
	2009	2014	2019
Total (10+ employees)	74,7	82,8	83,3
Small enterprises (10-49)	68,3	80,5	81,0
Medium enterprises (50-249)	89,3	91,2	91,1
Large enterprises (250+)	93,0	93,8	93,4
Industry (10+ employees):			
Manufacturing	74,7	84,0	85,8
Electricity, gas and water supply	68,2	82,6	88,8
Construction	68,3	84,4	78,1
Sale and repair of motor vehicles	73,6	91,9	95,3
Wholesale trade	79,7	91,3	90,9
Retail trade	60,9	63,7	67,0
Transport and storage	65,3	66,6	69,6
Accommodation	85,8	95,2	98,8
Food and beverage services	56,0	82,9	80,1
Travel agency and related activities	97,6	98,3	92,3
Media industries including publishing activities	96,5	96,9	97,4
Telecommunications	94,5	96,3	96,0
Computer programming and related activities	92,7	94,6	94,3
Real estate activities	61,0	78,3	83,7
Professional, scientific and technical activities	85,6	90,9	89,4
Administrative and support activities	60,2	65,3	75,9

Figure D7 Enterprises with a website customized for mobiles

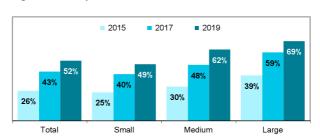


Figure D8 Enterprises with selected websites facilities; 2019

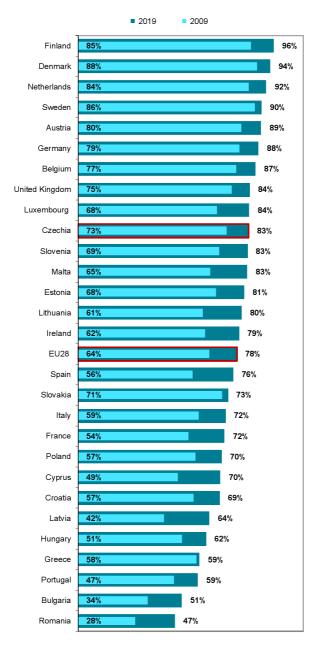


as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

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Figure D9 Enterprises with 10+ employees in EU countries with a website (as a % of all enterprises)



Tab. D4 Enterprises in Czechia selling via websites or apps; 2018

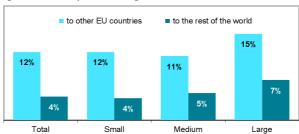
%

		%
		of which sales via
	Total	websites or apps
		>10 % of total
		turnover
Total (10+ employees)	23,2	15,8
Small enterprises (10-49)	23,1	16,0
Medium enterprises (50-249)	22,7	14,5
Large enterprises (250+)	28,9	17,6
Industry (10+ employees):		
Manufacturing	18,9	11,8
Electricity, gas and water supply	8,9	4,3
Construction	10,5	4,1
Sale and repair of motor vehicles	42,8	29,4
Wholesale trade	41,4	27,3
Retail trade	33,4	26,0
Transport and storage	18,0	13,3
Accommodation	70,5	62,1
Food and beverage services	22,3	14,0
Travel agency and related activities	71,0	64,3
Media industries including publishing activities	61,4	41,4
Telecommunications	53,6	35,9
Computer programming and related activities	27,0	20,5
Real estate activities	11,3	8,0
Professional, scientific and technical activities	15,8	10,3
Administrative and support activities	15,1	13,5

Figure D10 Enterprises selling via websites or applications



Figure D11 Enterprises selling via websites to abroad; 2018



as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D12 Enterprises with 10+ employees in EU countries selling via websites or apps; 2018

(as a % of all enterprises)

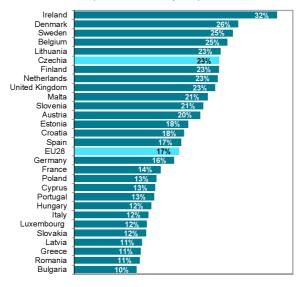
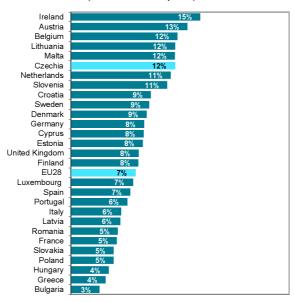


Figure D13 Enterprises with 10+ employees in EU countries selling via websites to abroad; 2018

(as a % of all enterprises)



Tab. D5 E-commerce: turnover resulting from enterprises' electronic sales in Czechia; 2018

		fro	m
	Total	EDI*-type sales	Web sales
Total (10+ employees)	31,8	23,0	8,8
Small enterprises (10-49)	14,6	5,5	9,0
Medium enterprises (50-249)	25,6	17,7	7,9
Large enterprises (250+)	40,8	31,8	9,1
Industry (10+ employees):			
Manufacturing	37,9	32,4	5,6
Electricity, gas and water supply	41,9	37,2	4,7
Construction	4,3	2,8	1,4
Sale and repair of motor vehicles	29,0	16,3	12,7
Wholesale trade	29,9	14,9	14,9
Retail trade	18,9	4,6	14,3
Transport and storage	33,0	22,3	10,7
Accommodation	40,6	8,5	32,2
Food and beverage services	7,7	1,5	6,2
Travel agency and related activities	45,0	8,0	37,0
Media industries incl. publishing activities	36,3	7,1	29,1
Telecommunications	26,3	11,9	14,4
Computer programming and related act.	23,2	10,9	12,3
Real estate activities	7,9	3,8	4,1
Professional, scientific and technical act.	5,6	2,7	2,9
Administrative and support activities	26,5	10,6	15,9

as a percentage of total enterprises' turnover in a given group

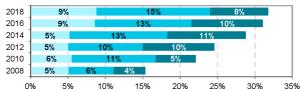
Figure D14 Enterprises selling over computer networks



as a percentage of all enterprises with 10+ employees in a given group

Figure D15 Turnover from enterprises' electronic sales

- from Web sales (orders received via a website or apps)
- from EDI-type sales via the internet
- from EDI-type sales via other computer networks



as a percentage of total enterprises' turnover in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

^{*} EDI = Electronic data interchange

Figure D16 Total turnover resulting from enterprises' electronic sales in EU countries; 2018

(as a % of total enterprises' (10+ employees) turnover)

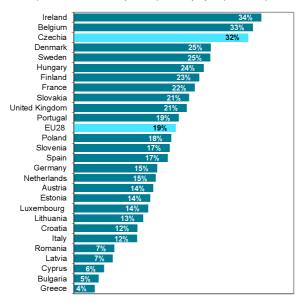


Figure D17 Turnover structure resulting from enterprises' electronic sales in EU countries by type of sales; 2018

	■ Web sale	Web sales ■ EDI-type sales	
Cyprus		78%	22%
Greece		76%	24%
Lithuania	57%		43%
Netherlands	54%		46%
United Kingdom	51%		49%
Croatia	47%		53%
Bulgaria	47%		53%
Belgium ⁻	46%		54%
Romania	43%		57%
Ireland	41%		59%
Sweden	40%		60%
Latvia	39%		61%
EU28	38%		62%
Spain ⁻	38%	62%	
Poland	38%		62%
Portugal	36%		64%
Estonia	36%		64%
France	34%		66%
Germany	33%		67%
Denmark	32%		68%
Hungary	31%		69%
Finland	29%		71%
Austria	28% 72%		72%
Czechia	27%		73%
Slovakia	27%		73%
Italy	27%		73%
Slovenia	14%		86%

Tab. D6 Enterprises in Czechia using* online social networks

2015 2017 2019 Total (10+ employees) 23.5 34,1 45.0 Small enterprises (10-49) 21,7 30,4 41,5 Medium enterprises (50-249) 27.6 44.1 54.1 Large enterprises (250+) 39,9 62,3 73,3 Industry (10+ employees): Manufacturing 17,3 26,5 37,6 Electricity, gas and water supply 13.2 22.5 31.4 Construction 10,7 17,8 29,1 Sale and repair of motor vehicles 36.7 51.1 59.7 Wholesale trade 30,8 43,2 52,7 Retail trade 45.1 58.7 28.9 Transport and storage 13,2 23,9 39,2 Accommodation 66.1 78.5 82.4 Food and beverage services 40,5 52,3 64,6 Travel agency and related activities 72,9 84,2 79,4 Media industries including publishing activities 69,9 78,9 83,5 Telecommunications 55.8 69.4 70.6 Computer programming and related activities 45,2 62,1 66,7 Real estate activities 35.1 18.0 22.3 Professional, scientific and technical activities 28,0 37,7 47,9 Administrative and support activities 21.9 36.9 28.5

Figure D18 Enterprises using* online social networks

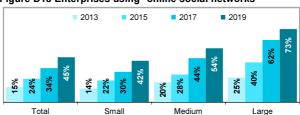
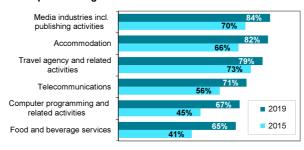


Figure D19 Top 5 industries with the highest share of enterprises using* online social networks



^{*} having a user profile on online social networks such as Facebook orLinkedIn as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D20 Enterprises with 10+ employees in EU countries using* online social networks; 2019 (as a % of all enterprises)

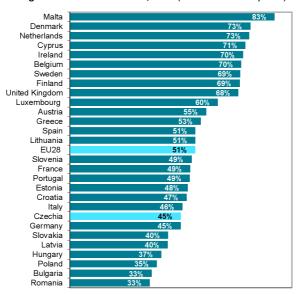
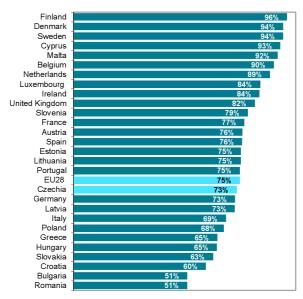


Figure D21 Large enterprises in EU countries using* online social networks; 2019 (as a % of large enterprises)



^{*} having a user profile on online social networks such as Facebook orLinkedIn

Tab. D7 Enterprises in Czechia using ERP, CRM and SCM software/information systems; 2019

	ERP	CRM	SCM
Total (10+ employees)	37,9	24,0	6,5
Small enterprises (10-49)	28,7	19,2	4,9
Medium enterprises (50-249)	68,0	39,1	9,9
Large enterprises (250+)	87,0	51,5	22,3
Industry (10+ employees):			
Manufacturing	48,4	24,1	7,1
Electricity, gas and water supply	51,0	33,2	4,4
Construction	17,5	8,1	1,2
Sale and repair of motor vehicles	41,2	39,2	20,2
Wholesale trade	57,1	41,3	10,4
Retail trade	35,2	17,5	7,9
Transport and storage	23,5	13,6	5,2
Accommodation	24,3	21,1	6,2
Food and beverage services	14,3	6,1	2,6
Travel agency and related activities	33,9	47,5	8,2
Media industries including publishing activities	42,9	53,5	8,7
Telecommunications	52,8	65,3	9,6
Computer programming and related activities	55,6	65,4	12,7
Real estate activities	28,4	19,2	2,4
Professional, scientific and technical activities	34,3	26,3	5,4
Administrative and support activities	30,2	20,7	3,5

Figure D22 Enterprises using an ERP software to manage resources by sharing information among different functional areas

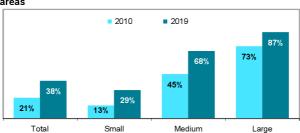
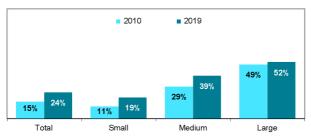


Figure D23 Enterprises using a CRM software to manage information on customers to various business functions



as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D24 Enterprises with 10+ employees in EU countries using an ERP software/information system; 2019

(as a % of all enterprises)

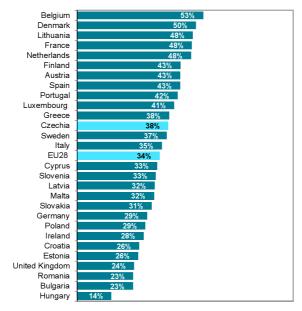
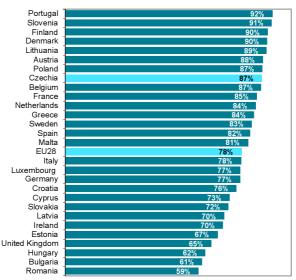


Figure D25 Large enterprises in EU countries using an ERP software/information system; 2019 (as a % of large enterprises)



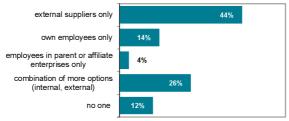
Tab. D8 ICT security measures used in enterprises in Czechia; 2019

	Selected	ICT security	meacuree
		VPN	
	Data		Data
	backup	networks	encryption
Total (10+ employees)	81,8	49,1	35,8
Small enterprises (10-49)	78,2	40,9	30,4
Medium enterprises (50-249)	94,8	75,6	51,6
Large enterprises (250+)	95,9	93,2	71,6
Industry (10+ employees):			
Manufacturing	85,5	50,7	33,9
Electricity, gas and water supply	88,1	64,0	42,0
Construction	73,2	29,5	22,6
Sale and repair of motor vehicles	88,1	53,7	35,9
Wholesale trade	90,9	67,0	39,8
Retail trade	74,9	46,1	43,3
Transport and storage	78,0	41,2	28,7
Accommodation	78,4	41,7	31,2
Food and beverage services	57,2	21,2	17,0
Travel agency and related activities	85,8	63,1	39,0
Media industries incl. publishing activitie	92,6	77,7	63,6
Telecommunications	91,0	84,8	64,5
Computer programming and related active	95,1	87,9	78,7
Real estate activities	84,1	49,5	40,2
Professional, scientific and technical act	91,4	63,2	47,2
Administrative and support activities	73,7	36,8	39,6

Figure D26 Enterprises that experienced at least one ICT related security incident; 2018



Figure D27 Who carries out the ICT security related activities in enterprises; 2019

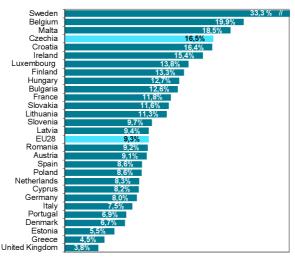


as a percentage of all enterprises with 10+ employees in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D28 Enterprises with 10+ employees in EU countries that experienced unavailability of ICT services*; 2018

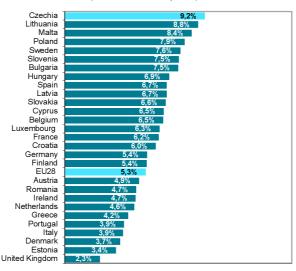
(as a % of all enterprises)



^{*} including Denial of Service attacks, ransomware attacks, hardware or software failures

Figure D29 Enterprises with 10+ employees in EU countries that experienced destruction or corruption of data*; 2018

(as a % of all enterprises)



^{*} including data destruction or corruption due to infection of malicious software or unauthorised intrusion (e.g. hacker's attack)

Tab. D9 Enterprises in Czechia providing employees with mobile phones and computers; 2019

	Mobile phone	Desktop	Laptop or tablet
Total (10+ employees)	86,7	89,7	78,7
Small enterprises (10-49)	84,0	88,0	74,5
Medium enterprises (50-249)	95,9	95,5	93,1
Large enterprises (250+)	98,8	97,2	98,6
Industry (10+ employees):			
Manufacturing	88,3	93,8	79,9
Electricity, gas and water supply	93,1	93,4	86,4
Construction	86,4	90,1	74,4
Sale and repair of motor vehicles	89,2	96,0	87,8
Wholesale trade	92,0	92,3	87,9
Retail trade	80,8	87,3	64,5
Transport and storage	90,0	82,5	79,2
Accommodation	84,6	95,9	76,6
Food and beverage services	65,4	77,9	55,5
Travel agency and related activities	89,6	97,3	86,3
Media industries incl. publishing activities	93,6	93,7	94,7
Telecommunications	99,3	96,5	98,7
Computer programming and related activ	95,0	79,5	98,6
Real estate activities	87,0	88,4	79,8
Professional, scientific and technical active	90,3	89,4	86,3
Administrative and support activities	78,6	84,9	72,8

Figure D30 Enterprises providing employees with mobile phones that allow internet connection

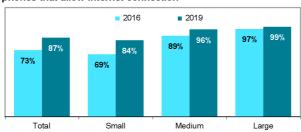
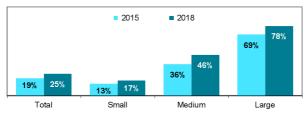


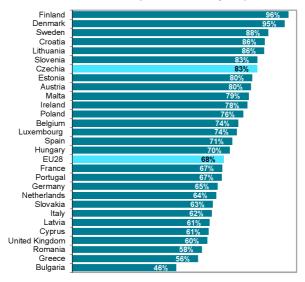
Figure D31 Enterprises providing training for employees to develop their ICT related skills



as a percentage of all enterprises with 10+ employees in a given group

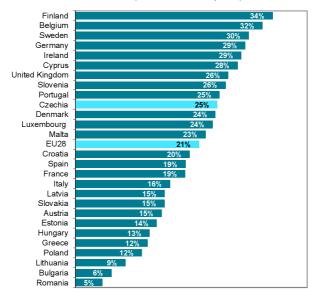
Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D32 Enterprises with 10+ employees in EU countries providing employees with portable devices* that allow internet connection; 2019 (as a % of all enterprises)



^{*} smartphone, laptop or tablet

Figure D33 Enterprises with 10+ employees in EU countries providing training for employees to develop their ICT related skills; 2018 (as a % of all enterprises)



Tab. D10 Enterprises in Czechia employing ICT specialists; 2019

			erprises that 2018:
	Total	recruited or tried to recruit new ICT spec.	had vacancies for ICT spec. difficult to fill
Total (10+ employees)	20,4	8,1	6,5
Small enterprises (10-49)	12,7	5,0	4,1
Medium enterprises (50-249)	40,8	14,2	11,0
Large enterprises (250+)	80,5	43,1	33,5
Industry (10+ employees):			
Manufacturing	22,6	7,1	4,8
Electricity, gas and water supply	30,0	9,4	5,9
Construction	9,7	3,8	2,8
Sale and repair of motor vehicles	19,0	2,0	1,8
Wholesale trade	22,8	6,6	5,3
Retail trade	19,5	6,4	5,4
Transport and storage	9,2	2,5	1,9
Accommodation	14,1	1,7	1,3
Food and beverage services	5,2	1,4	1,1
Travel agency and related activities	22,1	15,0	12,8
Media industries	58,4	34,9	29,8
Telecommunications	86,8	52,0	49,9
IT programming and related activ.	91,1	75,2	70,7
Real estate activities	17,8	3,3	2,6
Professional, scientific & techn. act.	19,3	8,6	7,2
Administrative and support activ.	12,0	5,7	3,7

as a percentage of all enterprises with 10+ employees in a given group

Figure D34 Enterprises* having vacancies for ICT specialists that were difficult to fill



Figure D35 Enterprises* providing training for ICT specialists to develop their ICT related skills



* as a percentage of all enterprises with 10+ employees <u>employing ICT</u> <u>specialists</u> in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D36 Enterprises with 10+ employees in EU countries employing ICT specialists; 2019 (as a % of all enterprises)

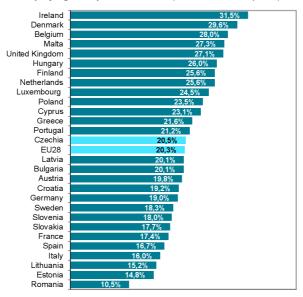
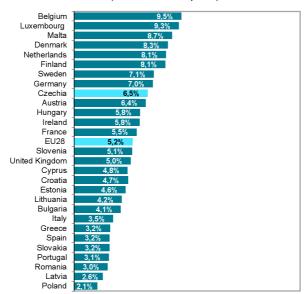


Figure D37 Enterprises with 10+ employees in EU countries having vacancies for ICT specialists that were difficult to fill; 2018 (as a % of all enterprises)



Tab. D11 Employees in enterprises in Czechia using mobile phones or computers at work; 2019

			, •
		of which	h with:
	Total	access to the internet	mobile telephone networks*
Total (10+ employees)	53,6	45,6	27,6
Small enterprises (10-49)	52,2	48,5	31,2
Medium enterprises (50-249)	50,8	45,6	27,5
Large enterprises (250+)	56,0	44,1	25,7
Industry (10+ employees):			
Manufacturing	47,0	38,4	20,6
Electricity, gas and water supply	63,4	56,3	32,7
Construction	50,7	47,7	34,1
Sale and repair of motor vehicles	72,4	69,7	37,4
Wholesale trade	74,5	69,6	46,5
Retail trade	53,7	40,4	18,2
Transport and storage	60,3	40,3	26,0
Accommodation	45,5	41,7	21,4
Food and beverage services	35,0	25,7	14,6
Travel agency and related activities	83,0	81,3	28,7
Media industries incl. publishing activities	91,9	91,0	60,8
Telecommunications	95,4	94,0	86,5
Computer programming and related activ.	94,5	94,1	79,0
Real estate activities	65,2	62,0	38,5
Professional, scientific and technical activ	83,0	81,2	53,7
Administrative and support activities	24,8	22,6	14,0

^{*} enterprise provides employees with portable devices that allow a mobile connection to the internet using mobile telephone networks and pay for all or at least up to a limit

Figure D38 Employees using computers at work

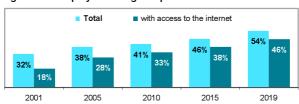


Figure D39 Employees using portable devices provided by the enterprise, that allows internet connection via mobile telephone networks at work



as a percentage of all employees in enterprises in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises

Figure D40 Employees in enterprises with 10+ employees in EU countries using computers with access to the internet at work; 2019 (as a % of all employees)

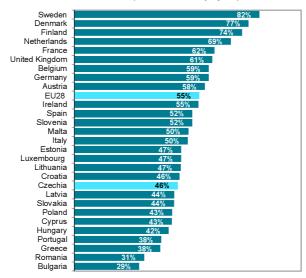
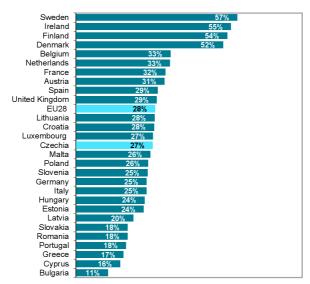


Figure D41 Employees in enterprises with 10+ employees in EU countries using portable devices provided by the enterprise, that allows internet connection via mobile telephone networks at work; 2019 (as a % of all employees)



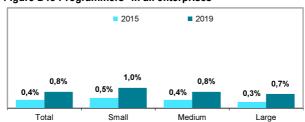
Tab. D12 Share of ICT specialists on all employees in enterprises in Czechia; 2019

		,,
	Total	of which programmers*
Total (10+ employees)	3,0	0,8
Small enterprises (10-49)	2,9	1,0
Medium enterprises (50-249)	2,8	0,8
Large enterprises (250+)	3,2	0,7
Industry (10+ employees):		
Manufacturing	0,9	0,3
Electricity, gas and water supply	1,3	0,3
Construction	1,0	0,5
Sale and repair of motor vehicles	1,1	0,4
Wholesale trade	1,7	0,6
Retail trade	1,6	0,4
Transport and storage	0,7	0,1
Accommodation	0,6	0,1
Food and beverage services	0,4	0,1
Travel agency and related activities	3,1	1,5
Media industries including publishing activities	12,5	4,1
Telecommunications	23,3	4,5
Computer programming and related activities	58,5	13,9
Real estate activities	1,7	0,5
Professional, scientific and technical activities	3,7	0,9
Administrative and support activities	0,7	0,2

Figure D42 ICT specialists in all enterprises



Figure D43 Programmers* in all enterprises



^{*} programmers developing software, applications and information systems designed for the company's internal needs

as a percentage of all employees in enterprises in a given group

Source: Czech Statistical Office, Survey on ICT usage in enterprises