

D Enterprises

Since 2002, the Czech Statistical Office (CZSO) has been regularly monitoring developments in usage of information technologies by enterprises with 10 and more employees in selected industries by using an independent annual statistical survey titled: "Survey on the Use of ICT in the Business Enterprise Sector".

In 2012 this survey was conducted in the first quarter, with the response size of approximately **6 500 enterprises with 10 or more employees**. The resulting data was then extrapolated to the entire population of enterprises in the Czech Republic (46 thousands enterprises).

Since 2006, the survey has been conducted according to the annual implementing measures of the **Framework Regulation (EC) no. 808/2004** concerning statistics on the information society that ensure data harmonisation and comparability among EU countries.

Reference period: 31 December (for the years 2000–2004), since 2006 the reference period refers to January of the monitored year. In the case of electronic commerce and using the Internet for interaction with public authorities, the data pertains to the entire year.

Sample size: 8 000 enterprises with 10 and more persons employed

Data comparability:

- The data since 2008 (January 2009) are not fully comparable with data for previous years. This difference is due to implementation of new NACE classification.
- The data for the Czech Republic presented by Eurostat may differ slightly from data presented by the CZSO. This difference is due to the fact that Eurostat does not include, as part of the data it publishes, enterprises from the financial sector.

Definitions:

- **Broadband** – see definitions in **Chapter A** of this publication
- **Electronic commerce** shall mean purchases or sales (placing or accepting orders) via the Internet or other computer networks through websites (Web e-commerce) or using the electronic data interchange (EDI e-commerce), regardless the method of payment or delivery. *Purchases (sales) implemented 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 electronic mail are not included.*
- **Electronic data interchange (EDI)** refers to the structured transmission of data or documents (messages) between organizations or enterprises by electronic means in an agreed format which allows its automatic processing (e.g. EDIFACT, XML, etc.) and without the individual message being manually typed.
- **Homeworker** is defined here as a person working at least half day per week from their homes (home office) or from other premises of their choosing other than the workplace, for remuneration, by using ICT to conduct and deliver results of a product or service specified by the employer.
- **Intranet** is an internal company communications network using Internet protocol allowing communications within an organisation.

The **Eurostat** online database for **Information society statistics** was used for the international comparison. *Data from this database were extracted in March 2013.*

Further information on ICT usage by enterprises can be found at:

http://www.czso.cz/csu/redakce.nsf/i/podnikatelsky_sektor

D Enterprises

Tab. D1 Enterprises with an internal computer network and related technologies in the Czech Republic; 2012

	%		
	Total	WLAN	Intranet
Total (10 and more employees)	69,3	47,7	32,6
Small enterprises (10-49)	63,5	42,3	26,9
Medium enterprises (50-249)	90,9	65,6	49,8
Large enterprises (250+)	97,3	82,0	77,9
NACE category:			
Manufacturing	70,0	47,2	32,2
Electricity, gas and water supply	77,7	44,9	42,5
Construction	64,8	44,3	24,7
Sale and repair of motor vehicles	79,6	62,9	36,9
Wholesale trade	81,7	60,3	35,3
Retail trade	59,2	37,5	24,6
Transport and storage	56,9	35,0	28,0
Accommodation	74,7	65,8	31,0
Food and beverage services	34,6	24,2	20,3
Travel agency and related activities	86,0	60,7	40,3
Media industries incl. publishing activ.	92,6	67,6	57,1
Telecommunications	95,2	84,9	72,3
Computer programm. and related activ.	96,1	81,3	78,0
Financial and insurance activities	92,1	61,9	72,0
Real estate activities	74,5	40,2	30,3
Professional, scientific activities	86,8	57,3	38,3
Administrative and support activities	55,1	39,4	35,0

as a percentage of all enterprises in a given group

WLAN - wireless local area network

Figure D1 Enterprises using wireless access within their internal computer network (WLAN)

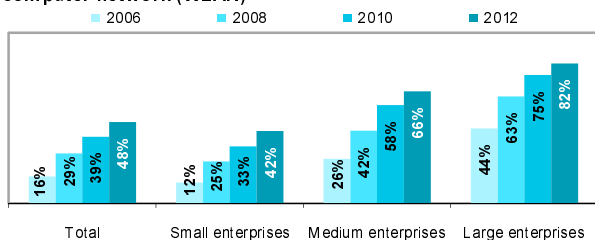
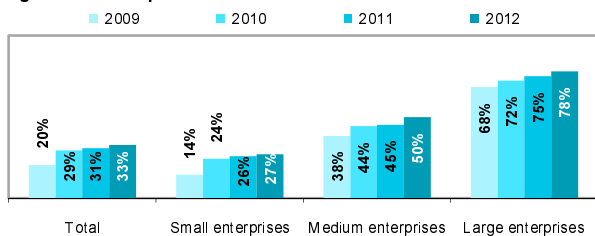


Figure D2 Enterprises with intranet

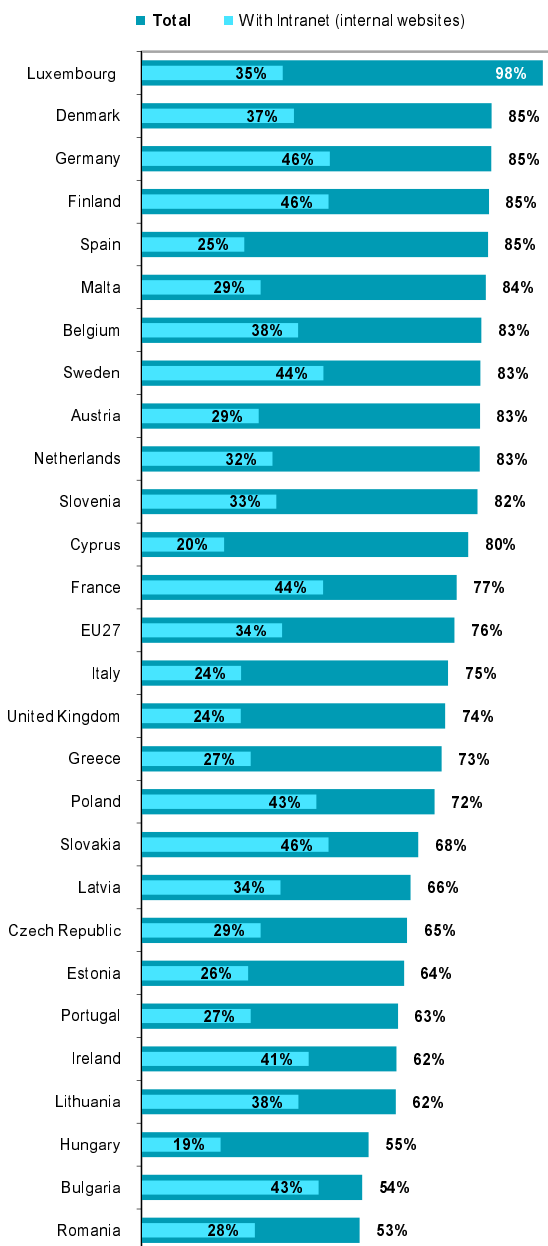


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

D Enterprises

Figure D3 Enterprises with internal computer network; 2010



as a percentage of all enterprises

Source: Eurostat, 2011

D Enterprises

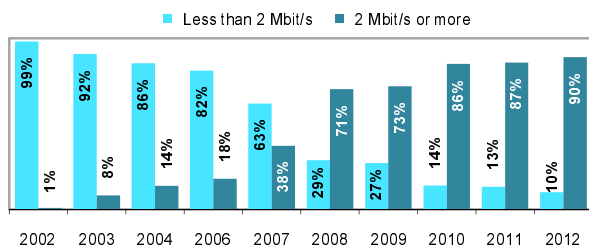
Tab. D2 Enterprises with Internet in the Czech Rep.; 2012

%

	Total	Any broadband	Mobile broadband
Total (10 and more employees)	96,6	92,0	28,9
Small enterprises (10-49)	95,9	90,6	23,1
Medium enterprises (50-249)	99,1	97,0	47,4
Large enterprises (250+)	99,8	99,4	71,6
NACE category:			
Manufacturing	97,7	92,6	26,2
Electricity, gas and water supply	99,4	96,9	32,3
Construction	96,1	90,9	24,6
Sale and repair of motor vehicles	98,6	94,6	26,4
Wholesale trade	98,4	95,9	43,8
Retail trade	91,7	85,9	19,7
Transport and storage	96,8	91,2	22,3
Accommodation	96,9	95,6	20,2
Food and beverage services	89,6	82,7	10,3
Travel agency and related activities	98,5	95,6	40,9
Media industries incl. publishing activ.	99,0	98,2	44,5
Telecommunications	98,9	98,9	61,5
Computer programm. and related activ	99,6	98,4	59,1
Financial and insurance activities	99,2	98,3	63,9
Real estate activities	98,5	95,2	30,3
Professional, scientific activities	99,5	97,0	42,4
Administrative and support activities	91,7	84,9	23,8

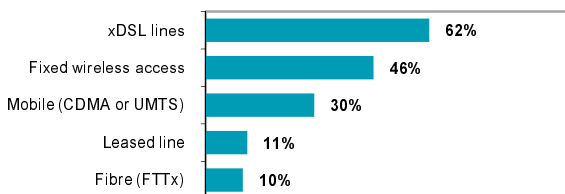
as a percentage of all enterprises in a given group

Figure D4 Speed of Internet connection used by enterprises*



* Maximum contracted download speed

Graf D5 Broadband connection(s) used by enterprises; 2012



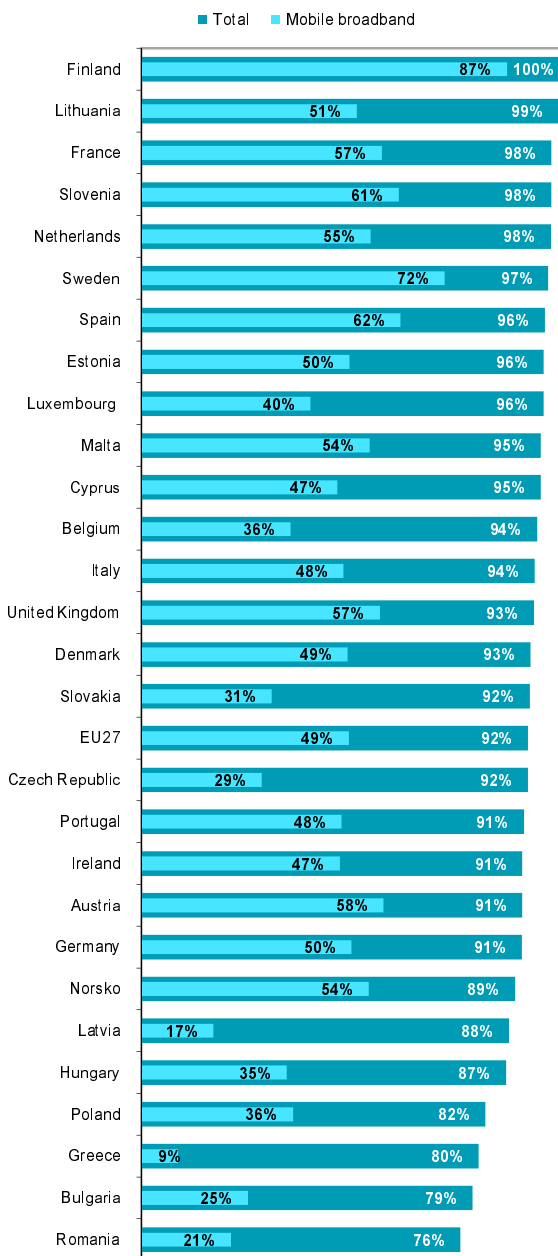
Note: Multiple responses allowed

as a percentage of enterprises with Internet access

Source: Czech Statistical Office, Enterprise Survey on ICT Use

D Enterprises

Figure D6 Enterprises with broadband access ; 2012



as a percentage of all enterprises

Source: Eurostat, 2013

D Enterprises

Tab. D3 Enterprises with a Website in the Czech Rep.; 2012

%

	Total	Available in foreign language	Created by external company
Total (10 and more employees)	79,8	32,6	64,9
Small enterprises (10-49)	77,1	26,5	62,8
Medium enterprises (50-249)	89,9	54,1	73,6
Large enterprises (250+)	93,1	69,7	72,6
NACE category:			
Manufacturing	80,2	44,9	65,8
Electricity, gas and water supply	81,1	20,5	66,1
Construction	83,8	13,5	68,9
Sale and repair of motor vehicles	94,9	18,5	87,7
Wholesale trade	86,8	34,1	72,6
Retail trade	63,3	12,5	51,5
Transport and storage	63,1	25,9	48,8
Accommodation	93,3	79,8	86,1
Food and beverage services	70,7	25,9	60,7
Travel agency and related activities	93,3	42,7	77,5
Media industries incl. publishing activ.	96,9	42,8	61,3
Telecommunications	96,2	30,5	56,0
Computer programm. and related activ	93,9	56,0	40,1
Financial and insurance activities	93,2	52,1	81,0
Real estate activities	79,9	33,1	71,0
Professional, scientific activities	87,5	42,6	71,4
Administrative and support activities	71,5	27,4	55,4

as a percentage of all enterprises in a given group

Figure D7 Enterprises with a Website

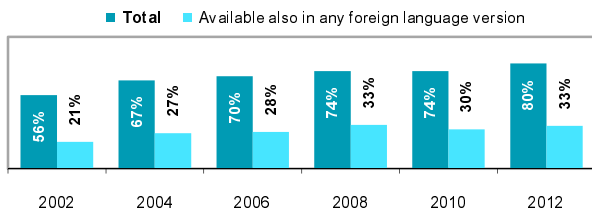
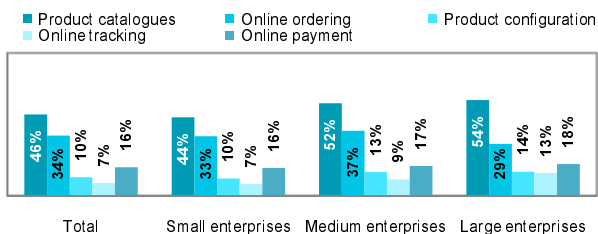


Figure D8 Sales related applications available on enterprises' websites; 2012

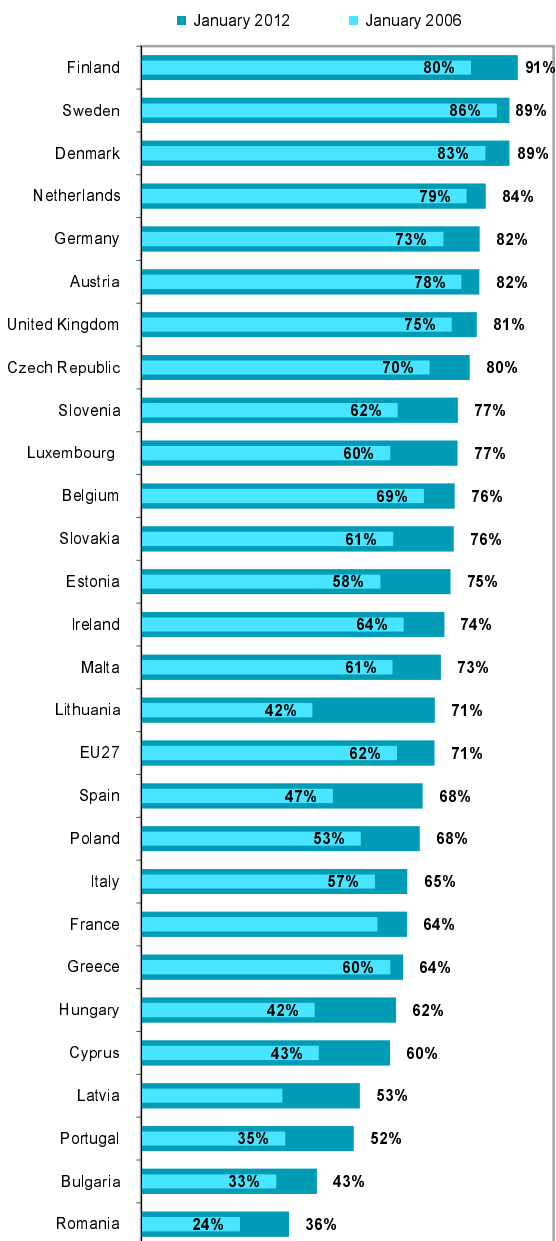


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

D Enterprises

Figure D9 Enterprises with a Website; 2012



as a percentage of all enterprises

Source: Eurostat, 2013

D Enterprises

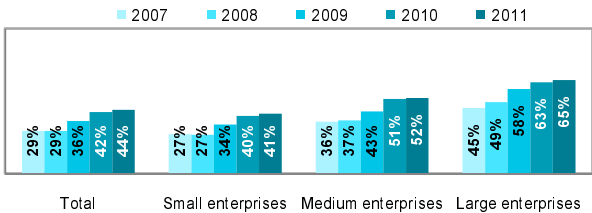
Tab. D4 Value of e-purchases in the Czech Republic; 2011

%

	Total	Via websites	Using EDI
Total (10 and more employees)	26,8	6,6	20,2
Small enterprises (10-49)	16,7	7,1	9,6
Medium enterprises (50-249)	21,8	10,2	11,6
Large enterprises (250+)	33,4	4,6	28,8
NACE category:			
Manufacturing	25,1	5,0	20,1
Electricity, gas and water supply	39,7	5,4	34,3
Construction	10,6	5,3	5,3
Sale and repair of motor vehicles	38,8	12,5	26,3
Wholesale trade	22,8	8,6	14,1
Retail trade	39,5	7,3	32,2
Transport and storage	11,3	5,7	5,6
Accommodation	10,3	6,8	3,5
Food and beverage services	17,7	5,6	12,1
Travel agency and related activities	35,8	10,2	25,6
Media industries incl. publishing activ.	14,5	9,8	4,7
Telecommunications	38,9	5,2	33,7
Computer programm. and related activ	45,7	23,0	22,7
Real estate activities	21,2	7,4	13,9
Professional, scientific activities	14,3	9,0	5,3
Administrative and support activities	23,3	8,8	14,6

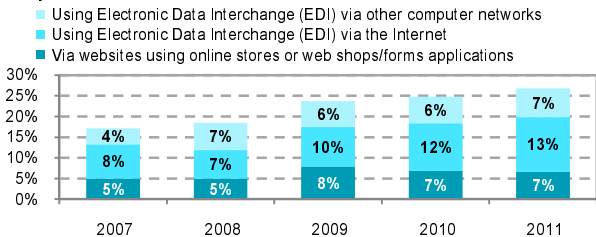
as a percentage of the total financial value of all enterprises' purchases

Figure D10 Enterprises placing e-orders via any computer network*



* Includes any enterprise that during the reference year placed at least one electronic order over Internet or other computer network to buy any product.
as a percentage of all enterprises in a given size class

Figure D11 Value of enterprises' e-purchases via any computer network

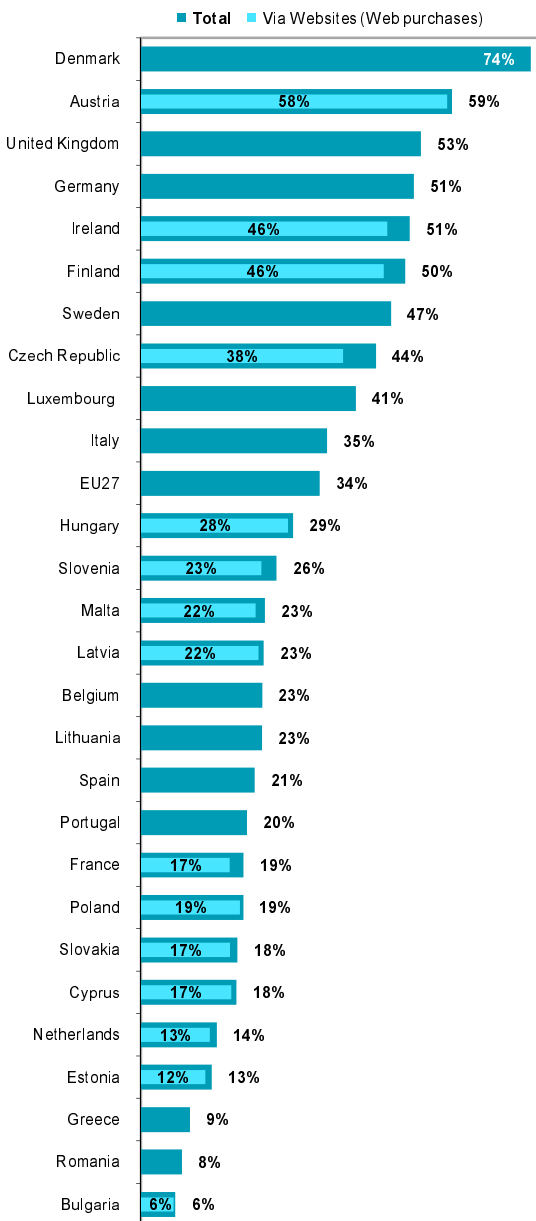


as a percentage of the total financial value of all enterprises' purchases

Source: Czech Statistical Office, Enterprise Survey on ICT Use

D Enterprises

Figure D12 Enterprises placing electronic orders via any computer network; 2011



as a percentage of all enterprises

Source: Eurostat, 2013

D Enterprises

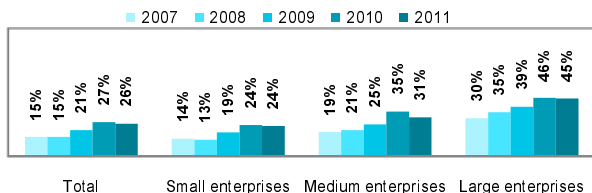
Tab. D5 Value of e-sales in the Czech Republic; 2011

%

	Total*	Via websites	Using EDI
Total (10 and more employees)	24,3	5,9	18,4
Small enterprises (10-49)	14,0	4,9	9,1
Medium enterprises (50-249)	15,7	4,8	11,0
Large enterprises (250+)	32,5	6,8	25,8
NACE category:			
Manufacturing	32,3	5,6	26,7
Electricity, gas and water supply	31,2	2,3	28,8
Construction	4,0	0,6	3,4
Sale and repair of motor vehicles	20,8	12,9	7,9
Wholesale trade	18,6	7,4	11,2
Retail trade	6,3	3,3	3,0
Transport and storage	28,4	9,7	18,7
Accommodation	31,7	18,8	12,9
Food and beverage services	5,7	1,8	3,9
Travel agency and related activities	37,5	27,7	9,8
Media industries incl. publishing activ.	15,4	6,0	9,4
Telecommunications	34,4	29,4	5,0
Computer programm. and related activ	23,6	13,3	10,3
Real estate activities	16,7	2,9	13,8
Professional, scientific activities	8,2	3,8	4,4
Administrative and support activities	16,5	8,0	8,5

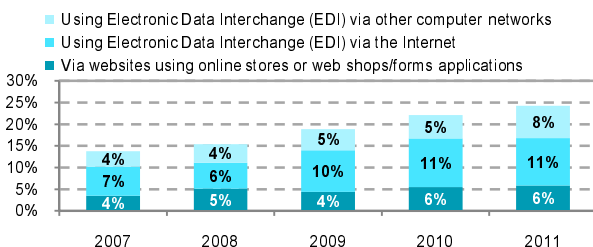
as percentage of the total turnover of all enterprises in a given group

Figure D13 Enterprises receiving e-orders via any computer network*



* Includes any enterprise that during the reference year placed at least one electronic order over Internet or other computer network to buy any product. as a percentage of all enterprises in a given size class

Figure D14 Value of enterprises' turnover from e-sales via any computer network

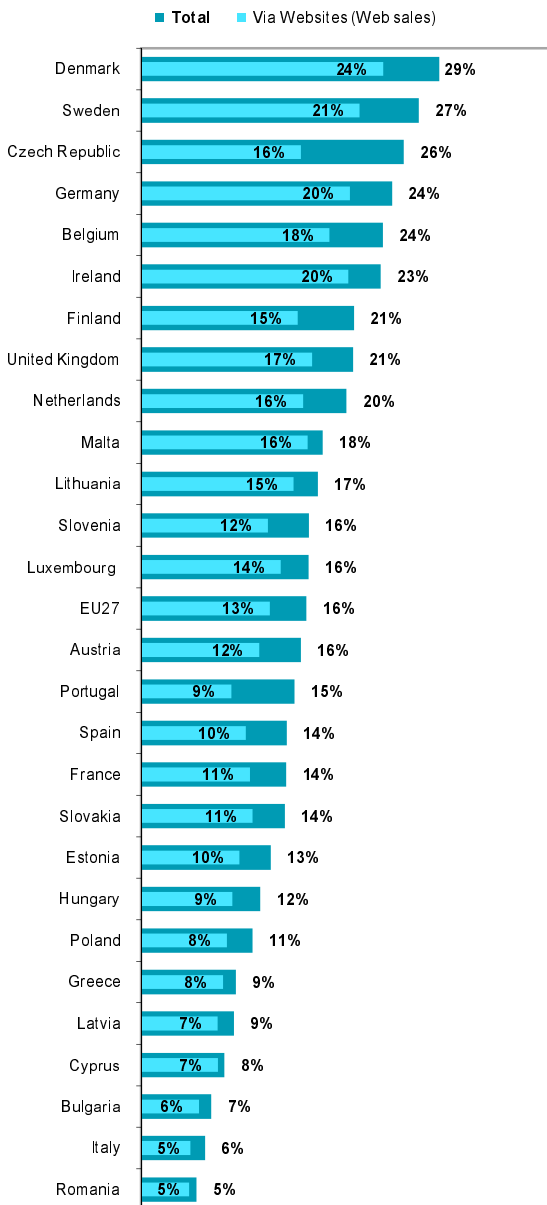


as percentage of the total turnover of all enterprises

Source: Czech Statistical Office, Enterprise Survey on ICT Use

D Enterprises

Figure D15 Enterprises receiving electronic orders via any computer network; 2011



as a percentage of all enterprises

Source: Eurostat, 2013

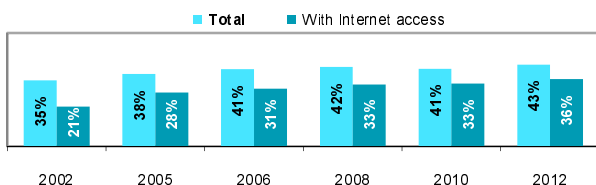
D Enterprises

Tab. D6 Employees using ICT at work in the Czech Rep., 2012

	%		
	Any computer	PC with Internet access	Notebook or Smart phone
Total (10 and more employees)	43,2	35,5	12,8
Small enterprises (10-49)	43,1	40,3	15,9
Medium enterprises (50-249)	41,5	36,4	12,5
Large enterprises (250+)	44,3	32,8	11,5
NACE category:			
Manufacturing	38,1	27,8	8,8
Electricity, gas and water supply	44,7	40,9	13,8
Construction	36,3	35,5	15,7
Sale and repair of motor vehicles	61,9	57,5	13,8
Wholesale trade	62,2	56,2	25,6
Retail trade	40,4	25,7	4,5
Transport and storage	37,6	26,5	8,3
Accommodation	34,9	31,2	5,5
Food and beverage services	23,1	19,6	4,7
Travel agency and related activities	75,1	74,5	13,4
Media industries incl. publishing activ.	76,5	75,9	25,4
Telecommunications	87,3	87,0	82,6
Computer programm. and related activ.	89,6	88,0	53,5
Financial and insurance activities	80,1	75,3	19,5
Real estate activities	50,5	48,4	16,2
Professional, scientific activities	75,3	72,5	29,7
Administrative and support activities	19,5	18,2	6,7

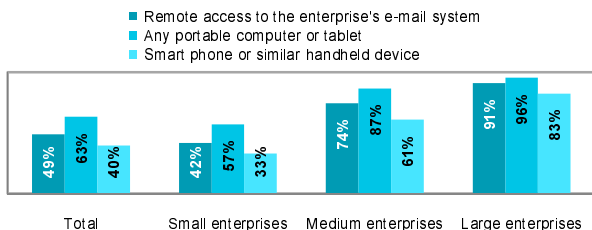
as a percentage of all employees in a given enterprise group

Figure D16 Employees using a computer at work



as a percentage of all employees

Figure D17 Enterprises providing employees with access to selected ICT, 2012

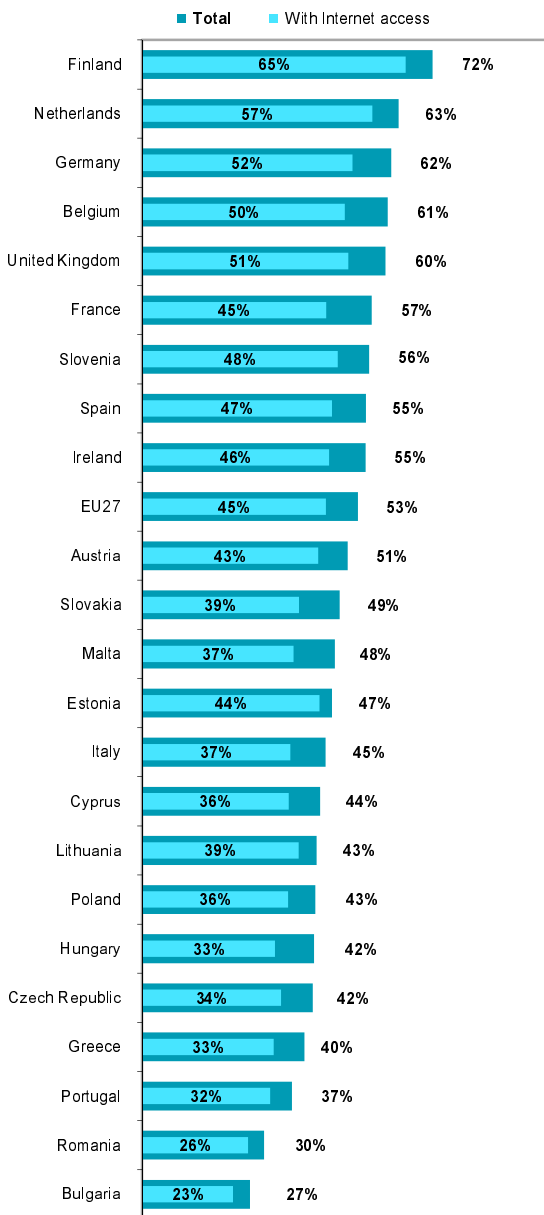


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

D Enterprises

Figure D18 Employees using a computer at work; 2012



as a percentage of all employees in enterprises

Source: Eurostat, 2013

D Enterprises

Tab. D7 Use of homeworking in Czech enterprises; 2012

%

	Enterprises enabling this possibility (1)	Employees using this possibility (2)
Total (10 and more employees)	30,0	3,6
Small enterprises (10-49)	25,3	5,2
Medium enterprises (50-249)	46,6	3,4
Large enterprises (250+)	57,9	2,9
NACE category:		
Manufacturing	27,8	1,9
Electricity, gas and water supply	29,9	2,8
Construction	23,5	4,4
Sale and repair of motor vehicles	24,9	2,4
Wholesale trade	46,5	9,8
Retail trade	19,4	1,3
Transport and storage	24,3	2,1
Accommodation	25,1	2,2
Food and beverage services	6,5	1,1
Travel agency and related activities	49,1	6,6
Media industries incl. publishing activ.	60,2	12,7
Telecommunications	65,5	10,4
Computer programm. and related activ.	76,4	19,3
Financial and insurance activities	56,7	4,3
Real estate activities	27,2	3,7
Professional, scientific activities	41,8	10,3
Administrative and support activities	28,7	2,6

(1) as a percentage of all enterprises in a given group

(2) as a percentage of all employees of enterprises in a given group

Figure D19 Homeworking in enterprises

- % of enterprises enabling their employees working from home by using ICT
- % of employees working from home by using ICT at least half a day per week

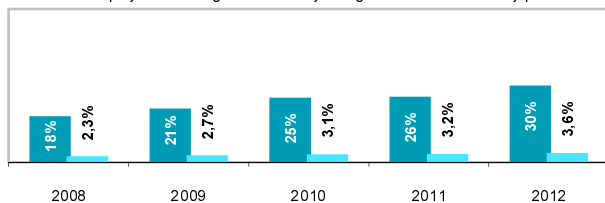
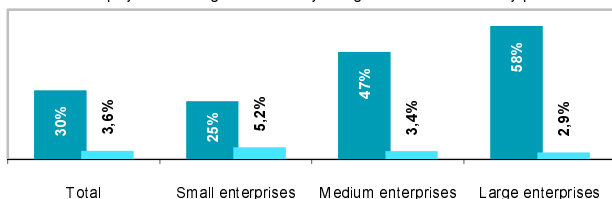


Figure D20 Homeworking in enterprises by size of enterpr.; 2012

- % of enterprises enabling their employees working from home by using ICT
- % of employees working from home by using ICT at least half a day per week



Source: Czech Statistical Office, Enterprise Survey on ICT Use