

INSTITUTO NACIONAL DE ESTADISTICA

EN



Annual Wage Structure Survey (AWSS)

Methodology

Madrid, 2021.

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Introduction

The Annual Wage Structure Survey (AWSS) is an annual statistical operation that arises out of the need to have information available on annual wages, classified by sex.

The predecessors of this survey can be found in the previous Wage Survey in Industry and Services, in which information was requested, broken down by sex, for the four quarters of each year from 1989 to 2000.

The need to include in the questionnaire the rest of the labour costs other than wages (to fulfil the requirements of the European Regulations on the Labour Cost Index), and the elevated informational load on companies that is implied by requesting this breakdown of information, gave rise to the suppression of the breakdown by sex in the Quarterly Labour Cost Survey beginning in the year 2000.

On the other hand, by virtue of Regulation No. 530/1999 regarding the structural statistics of Labour Costs and Wage Income of the EU, which is mandatory for all Member States, every four years the Wage Structure Survey (WSS) is carried out. This survey collects the wages of individual workers, and together with them, a large number of variables, such as age, education, years of service in the company, type of contract... and of course, sex. Given the large volume of information requested, it has been carried out every four years since 2002.

Thus, an information gap remained for the years in which the WSS was not performed. The Annual Wage Structure Survey arose for the purpose of filling said gap. In addition, the AWSS uses the information from the administrative registers of Social Security and income taxes, together with a simple survey carried out by the INE, in order to obtain this information in the least costly way possible for the companies.

1 Methodological Description

1.1 Objectives

The main objective of the Annual Wage Structure Survey is to ascertain gross annual earnings, classified by different characteristics of the worker, such as sex, occupation, economic activity, age, etc.

1.2 Scope, coverage and reference period

The **population scope** is made up of all those workers who work for others, who provide their services in contribution centres, and who have been affiliated to Social Security for more than two months of the year, including October. The inclusion of this month has the advantage of being considered "normal" in all EU countries, in the sense that this is not affected much by seasonal variations or by payments which fall due in more than one month's time, such as Christmas bonuses.

It excludes all chairpersons, members of administrative boards and, in general, all personnel whose remuneration is not mainly in the form of wages, but rather commissions or benefits.

The **geographical scope** encompasses the entire country, with a breakdown of results by Autonomous Community. The information corresponding to Ceuta and Melilla is provided jointly with that corresponding to Andalucía.

As per **sectorial coverage**, the survey studies contribution centres whose economic activity is included in the three large sectors: Industry, Construction and Services. The survey excludes agricultural, livestock and fishing activities, Public Administration, Defence and compulsory Social Security, domestic personnel and extraterritorial bodies..

For the **temporal scope**, the reference period is the calendar year.

1.3 Concepts and definitions

1.3.1 Wage concepts

In general, throughout this publication, we refer to wage earnings or simply earnings, which include the total wage payments in cash and remunerations in kind. The gross accrued income is counted, in other words, before worker social security contributions have been deducted and income tax payments made.

As a whole, two types of wage earnings are published:

Annual earnings. This includes gross total earnings. This is used for the wage comparison according to worker characteristics.

Earnings per hour. This is necessary for studying, under equal conditions, workers with different working days, especially part-time workers.

The survey is aimed at all those workers who have been affiliated to Social Security for more than two months of the year, including October.

For an adequate interpretation of the earnings, we must bear in mind that it does not collect the earnings of second and third jobs of the same worker, but instead collects those earnings in the company through which the worker has been selected. In addition, in order to make comparisons between workers, we have adjusted the wages of those workers who did not spend the entire year in the workplace. For this purpose, they are assigned equivalent annual wages that they would have been paid, had they worked for the entire year under the same conditions.

Finally, earnings per hour are estimated as the annual earnings divided among the agreed hours of the reference year..

1.3.2 Occupation

The classification of occupations used is National Classification of Occupations valid in each reference period..

1.3.3 Type of working day

Two types of working day are considered: full-time and part-time. In accordance with the current labour legislation, a part-time worker is defined as any worker whose habitual working day is shorter than the working day of a comparable fulltime worker. A comparable full-time worker is defined as a full-time worker in the same company and workplace, with the same type of work contract, and who carries out identical or similar work. If there were no comparable full-time workers in the company, the full-time working day foreseen in the applicable collective agreement would be considered, or failing that, the maximum legal working day..

In practice, the type of working day appears in the work contract, and has been obtained from the contract included in the Social Security Affiliation File..

1.3.4 Type of work contract

La información disponible es de dos tipos generales de contrato de trabajo: de duración indefinida, y de duración determinada (temporales). En esta encuesta se ha obtenido del Fichero de Afiliación a la Seguridad Social.

2 Survey design

2.1 Survey framework

The Annual Structure of Earnings Survey (EAES) has two frameworks, one for contribution accounts (CC) and the other for employees registered in the CC.

The framework for the local units (CC) is the General Register of Social Security Contribution Accounts, issued by the Social Security General Treasury and updated at 30 September of each year. The framework has the advantage of its constant updating, in addition to the fact that its unit is the survey unit itself.

The sample of employees is obtained from the list of employees of the CC that have been selected in the first stage. Once the contribution accounts (CC) sample is obtained, we ask the Social Security General Treasury for the list of employees affiliated to said contribution accounts during the reference year.

From these lists, and after performing a series of controls and filtering criteria, we obtain the framework from which we will select a sample of employees who will be a part of this investigation.

2.2 Unit sampling plan

The random unit selection procedure corresponds to a stratified two-stage sampling, in which the first stage units are the Social Security contribution accounts, and the second stage units are the employees.

The sample to investigate in the first stage is the same as for the QLCS, therefore the sample design of the survey is similar to that of the QLCS (for further information please consult the [QLCS methodology](#)).

The first stage units are stratified according to the following variables:

- Region (Comunidad autónoma)
- Economic activity according to CNAE-09 at two digit level
- Size of the unit in terms of number of employees

The CC with more than 500 employees are studied exhaustively in the first stage (are selected with probability 1)

For CC with less than 500 employees, a sample size is calculated by stratum applying an optimum allocation.

The list of units selected in the first stage is sent again to the Social Security General Treasury, as mentioned previously, which obtains the list of employees who were affiliated during the reference year. We selected the employees from this list, in which the employees to be selected in each centre depend on the total number of employees in said centre who were affiliated to Social Security at least 2 months including October. The number of employees that meet this characteristic is the total number of employees in each CC.

We have randomly selected a nominal and representative list of employees in the second stage. The number of employees to be selected in each CC depends on the total number of employees in said centre:

Size group	Number of employees	Employees selected
1	1 - 4	All
2	5 - 9	4
3	10 - 19	5
4	20 - 49	7
5	50 - 99	10
6	100 - 199	16
7	200 - 499	22
8	More than 500 employees	25 ó 50*

* In some very large contribution centres, 50 workers were selected.

With the objective of obtaining maximum common sample with respect to the sample of the previous year, and thus gain in efficiency with respect to the estimates of the change, the sample of employees is obtained in a random way applying positive coordination in the CC present in both years. For the CC new this year, a simple random sample is obtained.

2.3 Information request, collection method and field work

Together with the issue of the QLCS questionnaires corresponding to the months of October, September and November, we include an annex questionnaire with the sample of workers selected in each CA, identified by their Social Security number. The questionnaire will contain only two questions regarding occupation, except in País Vasco, where we will also request the information provided in Model 190 of the income tax documents. Due to the conditions that the workers must verify to be included in the sample (days of affiliation to Social Security, and number of contracts, the sample does not coincide exactly with the quarterly survey.

The unit in charge of performing the field work carried out the collection and first filter-

ing of all of the information required, via post, telephone and fax.

For each worker, the following information from the General Affiliation File is included: Tax Identification Number (NIF), Nationality, Sex, Date of birth, Date of affiliation, Date removed from affiliation, Social Security contract key.

Once the occupation variable has been coded from the descriptions given in the questionnaires, said information is sent to the State Tax Administration Agency and to the Statistics Institute of Navarra, to be crossed with the Annual Summary of Withholdings and Advance Payments on Personal Income Taxes (Model 190).

The crossing is carried out in the following manner: for each "declaring NIF" (NIF from the CA), the data is obtained from the statements of said "declaring NIF" regarding the payments corresponding to key A of the "NIF of the recipients" included in their list of workers.

2.4 Estimators

Separated ratio estimators are used, with the auxiliary variable being the number of workers in each establishment, according to the directory of Social Security Contribution Accounts.

As it is a stratified two-stage sampling, being the first stage a simple random sampling and the second stage systematic random sampling, we have a grossing up factors at each stage. Let h be the crossing of the region (CCAA) r , branch of activity (according to CNAE-09 division) s and size group t . Then, the first and second stage grossing up factors for the j -th employee are following

$$F_{1j} = \frac{\sum_{i=1; j \in i}^{N_h} D_i}{\sum_{i=1; j \in i}^{n_h} D_i} \quad \text{y} \quad F_{2j} = \frac{B_i}{b_i} \quad j \in i.$$

where, subscripts 1 and 2 indicate first and second stage; N_h is the number of units in the population in the stratum h to which the j -th employee belongs; n_h is the number of units in the first stage sample in the stratum h to which the j -th employee belongs; D_i is the number of workers in the frame in i -th unit; B_i is the number of workers in the i -th establishment to which the j -th employee belongs in the frame and b_i is the number of workers in the i -th establishment to which the j -th employee belongs according to the sample collected.

- The estimator of total annual gross earnings, for a given domain C , any crossed of the variables (economic activity, occupation, sex, Autonomous Community),

is given by the following expression:

$$\hat{X}_C = \sum_{j \in C} F_{1j} F_{2j} X_j,$$

Where X_j is annual gross earnings of the j-th employee.

- The estimator of the total number of employees for a given domain C is:

$$\hat{Z}_C = \sum_{j \in C} F_{1j} F_{2j}.$$

- And the estimator for total annual hours worked for a given domain C is:

$$\hat{Y}_C = \sum_{j \in C} F_{1j} F_{2j} Y_j,$$

Where Y_j is annual hours worked of the j-th employee.

Estimators for gross annual earnings per employee and per hour come given as follows:

- Gross annual earnings per employee:

$$\widehat{GH}_C = \frac{\hat{X}_C}{\hat{Y}_C}.$$

- Hourly gross earnings:

$$\widehat{GT}_C = \frac{\hat{X}_C}{\hat{Z}_C}.$$

2.5 Sampling errors

Estimates of relative sampling errors or coefficients of variation in % are calculated and published for the main variables (gross annual earnings) and domains (section of CNAE-09 by gender and Autonomous Community by gender).

The relative sampling error, for the gross annual earnings estimator in a given C domain, is given by the following expression:

Calling h the crossing of the Autonomous Community, activity and size variables, gives:

$$\widehat{CV}(\hat{X}_C) = \frac{\sqrt{V(\hat{X}_C)}}{\hat{X}_C} 100.$$

Where $\widehat{V}(\widehat{X}_C)$ se calcula de manera aproximada mediante la siguiente expresión:

$$\widehat{V}(\widehat{X}_C) = \sum_h \widehat{V}(\widehat{X}_{Ch}),$$

donde $\widehat{X}_{Ch} = \sum_{j \in C; C \in h} F_{1j} F_{2j} X_j$ y

$$\widehat{V}(\widehat{X}_{Ch}) = \frac{N_h(N_h - n_h)}{n_h} \frac{\sum_{i=1}^{n_h} (\widehat{X}_{Ci} - \widehat{R}_{Ch} D_i)^2}{n_h - 1} + \frac{N_h}{n_h} \sum_{i=1}^{n_h} \frac{B_i(B_i - b_i)}{b_i} \widehat{S}_{Ci}^2,$$

where,

$$\widehat{X}_{Ci} = \frac{B_i}{b_i} \sum_{j=1}^{b_i} X_j, \quad \text{con } X_j = 0 \quad \text{si } j \notin C,$$

$$\widehat{R}_{Ch} = \frac{\sum_{i=1}^{n_h} \widehat{X}_{Ci}}{\sum_{i=1}^{n_h} D_i},$$

$$\widehat{S}_{Ci}^2 = \frac{\sum_{j=1}^{b_i} (X_j - \frac{1}{b_i} \sum_{j=1}^{b_i} X_j)^2}{b_i - 1}.$$

3 Peculiarities of each reference year

3.1 Coverage by sectors

Since the start of this survey in 2004 until 2007, the National Classification of Economic Activities CNAE-93 has been used.

In the year 2008 it moved to the CNAE-2009 and the Public Administration was included in the study, in other words, salaries of public employees belonging to the General Social Security Regime were collected.

4 Results

The survey results are published 18 months after the reference year, and are available at [this link](#).

Appendix

Sample sizes and rates of response for the different reference years

A continuación se presentan los tamaños muestrales y las correspondientes tasas de respuesta para cada año en los que se ha realizado la Encuesta Anual de Estructura Salarial (EAES). Se realiza el desglose por las variables Sección y Comunidad Autónoma.

Las tablas son las siguientes:

- **Table 1:** Sample sizes by section and activity subsections of the CNAE.
- **Table 2:** Sample sizes by Autonomous Community.
- **Table 3:** Sample collection and response rates by section and activity subsections of the CNAE.
- **Table 4:** Sample collection and response rates by Autonomous Community.

2004

Table 1. Sample sizes by section and activity subsections of the CNAE-93

	Units	Employees
ALL ACTIVITIES	18,369	161,454
C. Mining and quarrying industries	371	2,579
CA. Extraction of energy products	105	862
CB. Extraction of other ores except energy products	266	1,717
D. Manufacturing industry	5,749	49,652
DA. Food, Beverage and Tobacco Industry	558	5,654
DB. Textile and clothing industry	486	3,814
DC. Leather and footwear industry	220	1,529
DD. Wood and cork industry	305	2,027
DE. Paper industry; publishing, graphic arts and reproduction	525	4,142
DF. Refinement of petroleum and treatment of nuclear fuels	67	645
DG. Chemical industry	335	3,438
DH. Rubber and plastic material transformation industry	262	2,360
DI. Other non-metallic ore product industries	319	2,986
DJ. Metallurgy and manufacture of metallic products	630	5,778
DK. Construction of machinery and mechanical equipment industry	304	2,731
DL. Electrical, electronic and optival material and equipment industry	712	5,596
DM. Manufacture of transport material	512	5,591
DN. Various manufacturing industries	514	3,361
E. Production and distribution of electrical energy, gas and water supply	454	3,864
F. Construction	1,883	14,716
G. Trade and repairs	1,850	16,592
H. Accommodation	635	5,492
I. Trasnport, storage and communications	1,165	9,974
J. Financial intermediation	1,049	9,882
K. Real estate and rental activities; business services	2,339	21,649
M. Education	476	5,378
N. Health and veterinary activities, social services	727	10,914
O. Other communtiy, social and personal service activities region; personal services	1,671	10,762

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	18,369	161,454
Andalucía	1,489	13,860
Aragón	918	7,382
Asturias (Principado de)	847	6,555
Balears (Illes)	773	5,980
Canarias	980	8,231
Cantabria	670	4,669
Castilla y León	1,025	8,475
Castilla-La Mancha	915	7,177
Cataluña	2,112	22,334
Comunitat Valenciana	1,443	13,173
Extremadura	753	5,021
Galicia	1,127	9,259
Madrid (Comunidad de)	1,960	22,708
Murcia (Región de)	844	6,476
Navarra (Comunidad Foral de)	726	5,673
País Vasco	1,197	10,607
Rioja (La)	590	3,874

Table 3. Sample collection and response rates by section and activity subsections CNAE-93

	Units	Rate	Employees	Rate
ALL ACTIVITIES	16,780	91.35	140,556	87.06
C. Mining and quarrying industries	335	90.30	2,245	87.05
CA. Extraction of energy products	94	89.52	736	85.38
CB. Extraction of other ores except energy products	241	90.60	1,509	87.89
D. Manufacturing industry	5,305	92.28	44,126	88.87
DA. Food, Beverage and Tobacco Industry	523	93.73	5,084	89.92
DB. Textile and clothing industry	443	91.15	3,383	88.70
DC. Leather and footwear industry	197	89.55	1,312	85.81
DD. Wood and cork industry	275	90.16	1,810	89.29
DE. Paper industry; publishing, graphic arts and reproduction	491	93.52	3,744	90.39
DF. Refinement of petroleum and treatment of nuclear fuels	64	95.52	578	89.61
DG. Chemical industry	310	92.54	3,004	87.38
DH. Rubber and plastic material transformation industry	240	91.60	2,057	87.16
DI. Other non-metallic ore product industries	297	93.10	2,728	91.36
DJ. Metallurgy and manufacture of metallic products	589	93.49	5,200	90.00
DK. Construction of machinery and mechanical equipment industry	273	89.80	2,356	86.27
DL. Electrical, electronic and optival material and equipment industry	660	92.70	4,943	88.33
DM. Manufacture of transport material	476	92.97	4,925	88.09
DN. Various manufacturing industries	467	90.86	3,002	89.32
E. Production and distribution of electrical energy, gas and water supply	417	91.85	3,366	87.11
F. Construction	1,693	89.91	12,550	85.28
G. Trade and repairs	1,689	91.30	14,398	86.78
H. Accommodation	560	88.19	4,483	81.63
I. Trasnport, storage and communications	1,124	96.48	9,564	95.89
J. Financial intermediation	987	94.09	9,065	91.73
K. Real estate and rental activities; business services	2,109	90.17	17,845	82.43
M. Education	444	93.28	4,793	89.12
N. Health and veterinary activities, social services	624	85.83	8,896	81.51
O. Other communtiy, social and personal service activities region; personal services	1,493	89.35	9,225	85.72

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Employees	Rate
NATIONAL TOTAL	16,780	91.35	140,556	87.06
Andalucía	1,367	91.81	12,235	88.28
Aragón	860	93.68	6,568	88.97
Asturias (Principado de)	804	94.92	6,024	91.90
Balears (Illes)	690	89.26	5,010	83.78
Canarias	804	82.04	6,538	79.43
Cantabria	612	91.34	4,004	85.76
Castilla y León	969	94.54	7,797	92.00
Castilla-La Mancha	851	93.01	6,339	88.32
Cataluña	1,928	91.29	19,018	85.15
Comunitat Valenciana	1,343	93.07	11,839	89.87
Extremadura	699	92.83	4,477	89.17
Galicia	1,082	96.01	8,596	92.84
Madrid (Comunidad de)	1,771	90.36	19,240	84.73
Murcia (Región de)	747	88.51	5,431	83.86
Navarra (Comunidad Foral de)	606	83.47	4,578	80.70
País Vasco	1,097	91.65	9,477	89.35
Rioja (La)	550	93.22	3,385	87.38

2005

Table 1. Sample sizes by section and activity subsections of the CNAE-93

	Units	Employees
ALL ACTIVITIES	18,585	166,206
C. Mining and quarrying industries	374	2,570
CA. Extraction of energy products	104	861
CB. Extraction of other ores except energy products	270	1,709
D. Manufacturing industry	5,728	49,400
DA. Food, Beverage and Tobacco Industry	561	5,641
DB. Textile and clothing industry	484	3,725
DC. Leather and footwear industry	223	1,544
DD. Wood and cork industry	293	2,031
DE. Paper industry; publishing, graphic arts and reproduction	537	4,149
DF. Refinement of petroleum and treatment of nuclear fuels	66	639
DG. Chemical industry	336	3,460
DH. Rubber and plastic material transformation industry	266	2,469
DI. Other non-metallic ore product industries	317	2,939
DJ. Metallurgy and manufacture of metallic products	635	5,776
DK. Construction of machinery and mechanical equipment industry	300	2,725
DL. Electrical, electronic and optival material and equipment industry	698	5,459
DM. Manufacture of transport material	498	5,385
DN. Various manufacturing industries	514	3,458
E. Production and distribution of electrical energy, gas and water supply	459	3,930
F. Construction	1,967	15,369
G. Trade and repairs	1,865	17,001
H. Accommodation	642	5,620
I. Trasnport, storage and communications	1,293	11,981
J. Financial intermediation	1,068	10,023
K. Real estate and rental activities; business services	2,372	22,621
M. Education	476	5,479
N. Health and veterinary activities, social services	727	11,168
O. Other communtiy, social and personal service activities region; personal services	1,614	11,044

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	18,585	166,206
Andalucía	1,524	14,414
Aragón	945	7,907
Asturias (Principado de)	854	6,647
Balears (Illes)	775	6,098
Canarias	984	8,418
Cantabria	695	4,915
Castilla y León	1,052	8,937
Castilla-La Mancha	917	7,426
Cataluña	2,098	22,457
Comunitat Valenciana	1,454	13,487
Extremadura	762	5,264
Galicia	1,131	9,509
Madrid (Comunidad de)	1,994	23,578
Murcia (Región de)	876	6,817
Navarra (Comunidad Foral de)	735	5,824
País Vasco	1,188	10,618
Rioja (La)	601	3,890

Table 3. Sample collection and response rates by section and activity subsections CNAE-93

	Units	Rate	Employees	Rate
ALL ACTIVITIES	16,543	89.01	141,158	84.93
C. Mining and quarrying industries	340	90.91	2,259	87.90
CA. Extraction of energy products	94	90.38	734	85.25
CB. Extraction of other ores except energy products	246	91.11	1,525	89.23
D. Manufacturing industry	5,222	91.17	43,744	88.55
DA. Food, Beverage and Tobacco Industry	518	92.34	5,031	89.19
DB. Textile and clothing industry	438	90.50	3,294	88.43
DC. Leather and footwear industry	199	89.24	1,318	85.36
DD. Wood and cork industry	272	92.83	1,799	88.58
DE. Paper industry; publishing, graphic arts and reproduction	493	91.81	3,711	89.44
DF. Refinement of petroleum and treatment of nuclear fuels	64	96.97	626	97.97
DG. Chemical industry	311	92.56	3,109	89.86
DH. Rubber and plastic material transformation industry	237	89.10	2,162	87.57
DI. Other non-metallic ore product industries	292	92.11	2,637	89.72
DJ. Metallurgy and manufacture of metallic products	583	91.81	5,209	90.18
DK. Construction of machinery and mechanical equipment industry	273	91.00	2,423	88.92
DL. Electrical, electronic and optical material and equipment industry	626	89.68	4,762	87.23
DM. Manufacture of transport material	445	89.36	4,647	86.30
DN. Various manufacturing industries	471	91.63	3,016	87.22
E. Production and distribution of electrical energy, gas and water supply	405	88.24	3,332	84.78
F. Construction	1,724	87.65	12,572	81.80
G. Trade and repairs	1,714	91.90	15,152	89.12
H. Accommodation	566	88.16	4,527	80.55
I. Transport, storage and communications	1,106	85.54	9,650	80.54
J. Financial intermediation	985	92.23	9,125	91.04
K. Real estate and rental activities; business services	2,032	85.67	17,814	78.75
M. Education	443	93.07	4,853	88.57
N. Health and veterinary activities, social services	624	85.83	9,239	82.73
O. Other community, social and personal service activities region; personal services	1382	85.63	8891	80.51

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Employees	Rate
NATIONAL TOTAL	16,543	89.01	141,158	84.93
Andalucía	1,343	88.12	12,332	85.56
Aragón	858	90.79	6,889	87.13
Asturias (Principado de)	813	95.20	6,203	93.32
Balears (Illes)	661	85.29	4,868	79.83
Canarias	755	76.73	6,038	71.73
Cantabria	605	87.05	4,024	81.87
Castilla y León	967	91.92	7,945	88.90
Castilla-La Mancha	865	94.33	6,698	90.20
Cataluña	1,865	88.89	18,869	84.02
Comunitat Valenciana	1,298	89.27	11,538	85.55
Extremadura	696	91.34	4,698	89.25
Galicia	1,039	91.87	8,368	88.00
Madrid (Comunidad de)	1,746	87.56	19,153	81.23
Murcia (Región de)	704	80.37	5,134	75.31
Navarra (Comunidad Foral de)	695	94.56	5,236	89.90
País Vasco	1,068	89.90	9,704	91.39
Rioja (La)	565	94.01	3,461	88.97

2007

Table 1. Sample sizes by section and activity subsections of the CNAE-93

	Units	Employees
ALL ACTIVITIES	19,544	163,484
C. Mining and quarrying industries	379	2,363
CA. Extraction of energy products	109	794
CB. Extraction of other ores except energy products	270	1,569
D. Manufacturing industry	5,933	48,117
DA. Food, Beverage and Tobacco Industry	550	5,088
DB. Textile and clothing industry	481	3,414
DC. Leather and footwear industry	224	1,332
DD. Wood and cork industry	297	1,956
DE. Paper industry; publishing, graphic arts and reproduction	566	4,294
DF. Refinement of petroleum and treatment of nuclear fuels	70	676
DG. Chemical industry	355	3,505
DH. Rubber and plastic material transformation industry	272	2,452
DI. Other non-metallic ore product industries	321	2,820
DJ. Metallurgy and manufacture of metallic products	645	5,573
DK. Construction of machinery and mechanical equipment industry	330	2,835
DL. Electrical, electronic and optival material and equipment industry	741	5,463
DM. Manufacture of transport material	535	5,322
DN. Various manufacturing industries	546	3,387
E. Production and distribution of electrical energy, gas and water supply	483	4,001
F. Construction	2,029	13,838
G. Trade and repairs	1,927	16,555
H. Accommodation	708	5,156
I. Trasnport, storage and communications	1,361	11,724
J. Financial intermediation	1,104	9,864
K. Real estate and rental activities; business services	2,612	22,566
M. Education	518	5,834
N. Health and veterinary activities, social services	820	12,442
O. Other communtiy, social and personal service activities region; personal services	1,670	11,024

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	19,544	163,484
Andalucía	1,628	14,313
Aragón	1,000	7,780
Asturias (Principado de)	879	6,411
Balears (Illes)	851	6,160
Canarias	1,016	7,780
Cantabria	727	4,955
Castilla y León	1,085	8,618
Castilla-La Mancha	980	7,348
Cataluña	2,190	22,146
Comunitat Valenciana	1,499	12,882
Extremadura	804	5,171
Galicia	1,183	9,394
Madrid (Comunidad de)	2,156	24,460
Murcia (Región de)	921	6,489
Navarra (Comunidad Foral de)	786	5,697
País Vasco	1,204	10,103
Rioja (La)	635	3,777

Table 3. Sample collection and response rates by section and activity subsections CNAE-93

	Units	Rate	Employees	Rate
ALL ACTIVITIES	18,087	92.55	151,286	92.54
C. Mining and quarrying industries	339	89.45	2,082	88.11
CA. Extraction of energy products	92	84.40	652	82.12
CB. Extraction of other ores except energy products	247	91.48	1,430	91.14
D. Manufacturing industry	5,553	93.60	44,911	93.34
DA. Food, Beverage and Tobacco Industry	525	95.45	4,862	95.56
DB. Textile and clothing industry	444	92.31	3,147	92.18
DC. Leather and footwear industry	204	91.07	1,192	89.49
DD. Wood and cork industry	279	93.94	1,814	92.74
DE. Paper industry; publishing, graphic arts and reproduction	535	94.52	4,074	94.88
DF. Refinement of petroleum and treatment of nuclear fuels	62	88.57	610	90.24
DG. Chemical industry	326	91.83	3,233	92.24
DH. Rubber and plastic material transformation industry	259	95.22	2,324	94.78
DI. Other non-metallic ore product industries	299	93.15	2,631	93.30
DJ. Metallurgy and manufacture of metallic products	600	93.02	5,195	93.22
DK. Construction of machinery and mechanical equipment industry	307	93.03	2,616	92.28
DL. Electrical, electronic and optical material and equipment industry	690	93.12	5,004	91.60
DM. Manufacture of transport material	500	93.46	4,979	93.56
DN. Various manufacturing industries	523	95.79	3,230	95.36
E. Production and distribution of electrical energy, gas and water supply	440	91.10	3,562	89.03
F. Construction	1,774	87.43	12,202	88.18
G. Trade and repairs	1,811	93.98	15,464	93.41
H. Accommodation	652	92.09	4,709	91.33
I. Transport, storage and communications	1,276	93.75	11,556	98.57
J. Financial intermediation	1,033	93.57	9,164	92.90
K. Real estate and rental activities; business services	2,392	91.58	20,380	90.31
M. Education	488	94.21	5,405	92.65
N. Health and veterinary activities, social services	762	92.93	11,515	92.55
O. Other community, social and personal service activities region; personal services	1567	93.83	10336	93.76

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Employees	Rate
NATIONAL TOTAL	18,087	92.55	151,286	92.54
Andalucía	1,523	93.55	13,608	95.07
Aragón	960	96.00	7,479	96.13
Asturias (Principado de)	849	96.59	6,213	96.91
Balears (Illes)	814	95.65	5,914	96.01
Canarias	851	83.76	6,606	84.91
Cantabria	691	95.05	4,716	95.18
Castilla y León	1,020	94.01	8,199	95.14
Castilla-La Mancha	889	90.71	6,611	89.97
Cataluña	2,097	95.75	21,206	95.76
Comunitat Valenciana	1,422	94.86	12,308	95.54
Extremadura	762	94.78	4,888	94.53
Galicia	1,000	84.53	7,779	82.81
Madrid (Comunidad de)	1,944	90.17	21,734	88.86
Murcia (Región de)	875	95.01	6,224	95.92
Navarra (Comunidad Foral de)	717	91.22	5,206	91.38
País Vasco	1,078	89.53	9,078	89.85
Rioja (La)	595	93.70	3,517	93.12

2008

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	27,710	241,577
B Mining and quarryng industries	336	2,119
C Manufacturing industry	6,553	58,582
D Electricity, gas, steam and air conditioning supply	237	2,275
E Water supply; sewerage, waste management and remediation activities	715	6,040.00
F Construction	2,895	18,581
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,101	19,361
H Transportation and storage	1,321	12,503
I Accommodation and food service activities	912	7,909
J Information and communication	1,473	12,675
K Financial and insurance activities	1,100	10,855
L Real estate activities	525	1,808
M Professional, scientific and technical activities	2,599	16,175
N Administrative and support service activities	2,052	21,703
O Public administration and defence; Compulsory Social Security	680	11,225
P Education	550	7,342
Q Human health and social work activities	1,331	18,851
R Arts, entertainment and recreation	1,138	7,113
S Other service activities	1,192	6,460

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	27,710	241,577
Andalucía	2,561	22,853
Aragón	1,311	10,879
Asturias (Principado de)	1,126	8,662
Balears (Illes)	1,174	8,699
Canarias	1,391	11,261
Cantabria	959	6,821
Castilla y León	1,472	12,508
Castilla-La Mancha	1,312	10,382
Cataluña	3,515	35,449
Comunitat Valenciana	2,209	18,812
Extremadura	1,044	6,966
Galicia	1,579	13,057
Madrid (Comunidad de)	3,322	38,158
Murcia (Región de)	1,220	8,994
Navarra (Comunidad Foral de)	1,036	7,920
País Vasco	1,641	15,125
Rioja (La)	838	5,031

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	26,308	94.94	228,146	94.44
B Mining and quarryng industries	323	96.13	2,030	95.80
C Manufacturing industry	6,300	96.14	56,163	95.87
D Electricity, gas, steam and air conditioning supply	229	96.62	2,194	96.44
E Water supply; sewerage, waste management and remediation activities	691	96.64	5,850	96.85
F Construction	2,656	91.74	17,119	92.13
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,045	97.33	18,641	96.28
H Transportation and storage	1,246	94.32	11,878	95.00
I Accommodation and food service activities	870	95.39	7,598	96.07
J Information and communication	1,365	92.67	11,769	92.85
K Financial and insurance activities	1,068	97.09	10,532	97.02
L Real estate activities	474	90.29	1,645	90.98
M Professional, scientific and technical activities	2,472	95.11	15,216	94.07
N Administrative and support service activities	1,925	93.81	19,995	92.13
O Public administration and defence; Compulsory Social Security	605	88.97	9,580	85.35
P Education	539	98.00	7,058	96.13
Q Human health and social work activities	1,288	96.77	17,986	95.41
R Arts, entertainment and recreation	1,075	94.46	6,771	95.19
S Other service activities	1,137	95.39	6,121	94.75

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	26,308	94.94	228,146	94.44
Andalucía	2,424	94.65	21,732	95.09
Aragón	1,274	97.18	10,535	96.84
Asturias (Principado de)	1,087	96.54	8,322	96.07
Balears (Illes)	1,125	95.83	8,246	94.79
Canarias	1,275	91.66	10,374	92.12
Cantabria	927	96.66	6,498	95.26
Castilla y León	1,422	96.60	11,971	95.71
Castilla-La Mancha	1,254	95.58	9,852	94.90
Cataluña	3,332	94.79	33,927	95.71
Comunitat Valenciana	2,085	94.39	17,823	94.74
Extremadura	1,013	97.03	6,674	95.81
Galicia	1,492	94.49	12,031	92.14
Madrid (Comunidad de)	3,102	93.38	35,300	92.51
Murcia (Región de)	1,178	96.56	8,714	96.89
Navarra (Comunidad Foral de)	976	94.21	7,366	93.01
País Vasco	1,530	93.24	13,930	92.10
Rioja (La)	812	96.90	4,851	96.42

2009

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	26,956	230,257
B Mining and quarryng industries	329	2,046
C Manufacturing industry	6,316	54,162
D Electricity, gas, steam and air conditioning supply	241	2,311
E Water supply; sewerage, waste management and remediation activities	682	5,919.00
F Construction	2,607	16,084
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,089	18,503
H Transportation and storage	1,325	12,101
I Accommodation and food service activities	947	7,719
J Information and communication	1,469	12,222
K Financial and insurance activities	1,051	10,324
L Real estate activities	493	1,557
M Professional, scientific and technical activities	2,555	16,052
N Administrative and support service activities	2,056	21,184
O Public administration and defence; Compulsory Social Security	694	11,129
P Education	540	7,144
Q Human health and social work activities	1,369	19,089
R Arts, entertainment and recreation	1,063	6,520
S Other service activities	1,130	6,191

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	26,956	230,257
Andalucía	2,616	22,624
Aragón	1,240	9,842
Asturias (Principado de)	1,091	8,266
Balears (Illes)	1,106	7,982
Canarias	1,325	10,583
Cantabria	911	6,287
Castilla y León	1,478	11,923
Castilla-La Mancha	1,262	9,880
Cataluña	3,501	34,609
Comunitat Valenciana	2,167	17,843
Extremadura	974	6,500
Galicia	1,563	12,548
Madrid (Comunidad de)	3,244	36,764
Murcia (Región de)	1,155	8,371
Navarra (Comunidad Foral de)	976	7,360
País Vasco	1,577	14,216
Rioja (La)	770	4,659

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	25,861	95.94	218,324	94.82
B Mining and quarryng industries	317	96.35	1,931	94.38
C Manufacturing industry	6,117	96.85	51,761	95.57
D Electricity, gas, steam and air conditioning supply	237	98.34	2,271	98.27
E Water supply; sewerage, waste management and remediation activities	663	97.21	5,795	97.91
F Construction	2,443	93.71	14,939	92.88
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,028	97.08	17,579	95.01
H Transportation and storage	1,254	94.64	11,442	94.55
I Accommodation and food service activities	898	94.83	7,282	94.34
J Information and communication	1,402	95.44	11,693	95.67
K Financial and insurance activities	1,022	97.24	9,992	96.78
L Real estate activities	464	94.12	1,448	93.00
M Professional, scientific and technical activities	2,437	95.38	15,218	94.80
N Administrative and support service activities	1,956	95.14	19,437	91.75
O Public administration and defence; Compulsory Social Security	659	94.96	10,291	92.47
P Education	527	97.59	6,862	96.05
Q Human health and social work activities	1,329	97.08	18,220	95.45
R Arts, entertainment and recreation	1,035	97.37	6,247	95.81
S Other service activities	1,073	94.96	5,916	95.56

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	25,861	95.94	218,324	94.82
Andalucía	2,533	96.83	21,819	96.44
Aragón	1,215	97.98	9,611	97.65
Asturias (Principado de)	1,057	96.88	7,861	95.10
Balears (Illes)	1,073	97.02	7,651	95.85
Canarias	1,218	91.92	9,627	90.97
Cantabria	887	97.37	6,020	95.75
Castilla y León	1,426	96.48	11,339	95.10
Castilla-La Mancha	1,225	97.07	9,502	96.17
Cataluña	3,395	96.97	33,433	96.60
Comunitat Valenciana	2,066	95.34	16,789	94.09
Extremadura	941	96.61	6,265	96.38
Galicia	1,464	93.67	11,573	92.23
Madrid (Comunidad de)	3,105	95.72	34,851	94.80
Murcia (Región de)	1,108	95.93	7,938	94.83
Navarra (Comunidad Foral de)	917	93.95	6,704	91.09
País Vasco	1,480	93.85	12,892	90.69
Rioja (La)	751	97.53	4,449	95.49

2011

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	27,006	229,381
B Mining and quarryng industries	327	2,041
C Manufacturing industry	6,313	54,128
D Electricity, gas, steam and air conditioning supply	239	2,214
E Water supply; sewerage, waste management and remediation activities	733	6,435.00
F Construction	2,571	15,130
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,067	18,247
H Transportation and storage	1,309	11,588
I Accommodation and food service activities	955	7,839
J Information and communication	1,528	12,797
K Financial and insurance activities	1,012	9,617
L Real estate activities	503	1,706
M Professional, scientific and technical activities	2,572	16,465
N Administrative and support service activities	2,087	21,288
O Public administration and defence; Compulsory Social Security	686	10,993
P Education	551	7,489
Q Human health and social work activities	1,349	18,606
R Arts, entertainment and recreation	1,077	6,755
S Other service activities	1,127	6,043
S.Otros servicios	1127	6043

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	27,006	229,381
Andalucía	2,636	22,903
Aragón	1,241	9,759
Asturias (Principado de)	1,086	8,106
Balears (Illes)	1,090	7,602
Canarias	1,311	10,255
Cantabria	889	5,991
Castilla y León	1,467	11,837
Castilla-La Mancha	1,271	9,705
Cataluña	3,562	35,324
Comunitat Valenciana	2,165	17,667
Extremadura	963	6,392
Galicia	1,569	12,442
Madrid (Comunidad de)	3,265	36,809
Murcia (Región de)	1,143	8,118
Navarra (Comunidad Foral de)	963	7,312
País Vasco	1,598	14,537
Rioja (La)	787	4,622

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	26,973	99.88	228,604	99.66
B Mining and quarrying industries	327	100.00	2,040	99.95
C Manufacturing industry	6,306	99.89	54,047	99.85
D Electricity, gas, steam and air conditioning supply	239	100.00	2,214	100.00
E Water supply; sewerage, waste management and remediation activities	732	99.86	6,424	99.83
F Construction	2,571	100.00	15,105	99.83
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,063	99.81	18,212	99.81
H Transportation and storage	1,305	99.69	11,559	99.75
I Accommodation and food service activities	955	100.00	7,813	99.67
J Information and communication	1,525	99.80	12,782	99.88
K Financial and insurance activities	1,011	99.90	9,594	99.76
L Real estate activities	502	99.80	1,696	99.41
M Professional, scientific and technical activities	2,570	99.92	16,407	99.65
N Administrative and support service activities	2,085	99.90	20,996	98.63
O Public administration and defence; Compulsory Social Security	685	99.85	10,987	99.95
P Education	551	100.00	7,457	99.57
Q Human health and social work activities	1,348	99.93	18,560	99.75
R Arts, entertainment and recreation	1,072	99.54	6,704	99.25
S Other service activities	1,126	99.91	6,007	99.40

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	26,974	99.88	228,619	99.67
Andalucía	2,633	99.89	22,801	99.55
Aragón	1,241	100.00	9,738	99.78
Asturias (Principado de)	1,083	99.72	8,073	99.59
Balears (Illes)	1,089	99.91	7,583	99.75
Canarias	1,306	99.62	10,213	99.59
Cantabria	887	99.78	5,963	99.53
Castilla y León	1,466	99.93	11,791	99.61
Castilla-La Mancha	1,269	99.84	9,687	99.81
Cataluña	3,560	99.94	35,209	99.67
Comunitat Valenciana	2,161	99.82	17,603	99.64
Extremadura	963	100.00	6,378	99.78
Galicia	1,568	99.94	12,405	99.70
Madrid (Comunidad de)	3,264	99.97	36,729	99.78
Murcia (Región de)	1,143	100.00	8,070	99.41
Navarra (Comunidad Foral de)	961	99.79	7,269	99.41
País Vasco	1,593	99.69	14,493	99.70
Rioja (La)	787	100.00	4,614	99.83

2012

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	26,899	226,825
B Mining and quarryng industries	323	2,001
C Manufacturing industry	6,275	53,128
D Electricity, gas, steam and air conditioning supply	243	2,238
E Water supply; sewerage, waste management and remediation activities	748	6,483.00
F Construction	2,502	14,368
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,064	18,201
H Transportation and storage	1,300	11,590
I Accommodation and food service activities	962	7,855
J Information and communication	1,510	12,628
K Financial and insurance activities	1,047	10,217
L Real estate activities	510	1,717
M Professional, scientific and technical activities	2,588	16,541
N Administrative and support service activities	2,064	20,597
O Public administration and defence; Compulsory Social Security	676	10,898
P Education	534	7,156
Q Human health and social work activities	1,359	18,673
R Arts, entertainment and recreation	1,065	6,667
S Other service activities	1,129	5,867

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	26,899	226,825
Andalucía	2,601	22,476
Aragón	1,227	9,575
Asturias (Principado de)	1,057	7,683
Balears (Illes)	1,099	7,679
Canarias	1,282	9,877
Cantabria	883	5,920
Castilla y León	1,455	11,655
Castilla-La Mancha	1,271	9,493
Cataluña	3,564	35,074
Comunitat Valenciana	2,187	17,883
Extremadura	953	6,265
Galicia	1,570	12,340
Madrid (Comunidad de)	3,292	36,869
Murcia (Región de)	1,137	7,953
Navarra (Comunidad Foral de)	962	7,227
País Vasco	1,596	14,380
Rioja (La)	763	4,476

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	26,878	99.92	226,336	99.78
B Mining and quarrying industries	323	100.00	2,001	100.00
C Manufacturing industry	6,274	99.98	53,095	99.94
D Electricity, gas, steam and air conditioning supply	243	100.00	2,237	99.96
E Water supply; sewerage, waste management and remediation activities	748	100.00	6,479	99.94
F Construction	2,502	100.00	14,364	99.97
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,063	99.95	18,176	99.86
H Transportation and storage	1,299	99.92	11,568	99.81
I Accommodation and food service activities	960	99.79	7,827	99.64
J Information and communication	1,509	99.93	12,619	99.93
K Financial and insurance activities	1,047	100.00	10,210	99.93
L Real estate activities	508	99.61	1,710	99.59
M Professional, scientific and technical activities	2,585	99.88	16,500	99.75
N Administrative and support service activities	2,062	99.90	20,419	99.14
O Public administration and defence; Compulsory Social Security	675	99.85	10,896	99.98
P Education	533	99.81	7,148	99.89
Q Human health and social work activities	1,358	99.93	18,630	99.77
R Arts, entertainment and recreation	1,061	99.62	6,618	99.27
S Other service activities	1,128	99.91	5,839	99.52

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate
NATIONAL TOTAL	26,878	99.92
Andalucía	2,601	100.00
Aragón	1,226	99.99
Asturias (Principado de)	1,056	99.99
Balears (Illes)	1,096	99.99
Canarias	1,280	99.99
Cantabria	882	99.99
Castilla y León	1,453	99.99
Castilla-La Mancha	1,269	99.99
Cataluña	3,561	99.99
Comunitat Valenciana	2,184	99.99
Extremadura	953	100.00
Galicia	1,569	99.99
Madrid (Comunidad de)	3,291	99.99
Murcia (Región de)	1,137	100.00
Navarra (Comunidad Foral de)	961	99.99
País Vasco	1,596	100.00
Rioja (La)	763	100.00

2013

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	26,903	225,280
B Mining and quarryng industries	319	1,936
C Manufacturing industry	6,240	52,304
D Electricity, gas, steam and air conditioning supply	241	2,221
E Water supply; sewerage, waste management and remediation activities	764	6,581.00
F Construction	2,539	14,199
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,070	18,215
H Transportation and storage	1,307	11,514
I Accommodation and food service activities	947	7,586
J Information and communication	1,500	12,311
K Financial and insurance activities	1,041	10,055
L Real estate activities	523	1,786
M Professional, scientific and technical activities	2,590	16,737
N Administrative and support service activities	2,081	20,921
O Public administration and defence; Compulsory Social Security	667	10,653
P Education	543	7,347
Q Human health and social work activities	1,342	18,451
R Arts, entertainment and recreation	1,077	6,701
S Other service activities	1,112	5,762

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	26,903	225,280
Andalucía	2,624	22,518
Aragón	1,215	9,382
Asturias (Principado de)	1,044	7,535
Balears (Illes)	1,094	7,639
Canarias	1,308	10,078
Cantabria	887	5,991
Castilla y León	1,450	11,377
Castilla-La Mancha	1,277	9,442
Cataluña	3,562	34,929
Comunitat Valenciana	2,205	17,922
Extremadura	955	6,154
Galicia	1,572	12,288
Madrid (Comunidad de)	3,268	36,381
Murcia (Región de)	1,146	8,000
Navarra (Comunidad Foral de)	960	7,198
País Vasco	1,578	13,965
Rioja (La)	758	4,481

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	26,874	99.89	224,647	99.72
B Mining and quarrying industries	319	100.00	1,935	99.95
C Manufacturing industry	6,238	99.97	52,258	99.91
D Electricity, gas, steam and air conditioning supply	241	100.00	2,220	99.95
E Water supply; sewerage, waste management and remediation activities	763	99.87	6,577	99.94
F Construction	2,537	99.92	14,177	99.85
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,066	99.81	18,194	99.88
H Transportation and storage	1,303	99.69	11,493	99.82
I Accommodation and food service activities	946	99.89	7,567	99.75
J Information and communication	1,500	100.00	12,298	99.89
K Financial and insurance activities	1,039	99.81	10,049	99.94
L Real estate activities	522	99.81	1,780	99.66
M Professional, scientific and technical activities	2,588	99.92	16,677	99.64
N Administrative and support service activities	2,080	99.95	20,683	98.86
O Public administration and defence; Compulsory Social Security	666	99.85	10,650	99.97
P Education	543	100.00	7,336	99.85
Q Human health and social work activities	1,342	100.00	18,406	99.76
R Arts, entertainment and recreation	1,070	99.35	6,616	98.73
S Other service activities	1,111	99.91	5,731	99.46

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	26,874	99.89	224,647	99.72
Andalucía	2,622	99.92	22,430	99.61
Aragón	1,215	100.00	9,357	99.73
Asturias (Principado de)	1,043	99.90	7,514	99.72
Balears (Illes)	1,094	100.00	7,618	99.73
Canarias	1,304	99.69	10,042	99.64
Cantabria	886	99.89	5,979	99.80
Castilla y León	1,449	99.93	11,342	99.69
Castilla-La Mancha	1,276	99.92	9,404	99.60
Cataluña	3,558	99.89	34,852	99.78
Comunitat Valenciana	2,203	99.91	17,866	99.69
Extremadura	954	99.90	6,124	99.51
Galicia	1,571	99.94	12,261	99.78
Madrid (Comunidad de)	3,265	99.91	36,338	99.88
Murcia (Región de)	1,144	99.83	7,944	99.30
Navarra (Comunidad Foral de)	957	99.69	7,172	99.64
País Vasco	1,575	99.81	13,934	99.78
Rioja (La)	758	100.00	4,470	99.75

2015

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	27,086	228,800
B Mining and quarryng industries	323	1,980
C Manufacturing industry	6,282	52,773
D Electricity, gas, steam and air conditioning supply	236	2,082
E Water supply; sewerage, waste management and remediation activities	765	6,603.00
F Construction	2,516	13,968
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,066	18,396
H Transportation and storage	1,303	11,541
I Accommodation and food service activities	972	8,116
J Information and communication	1,538	12,757
K Financial and insurance activities	1,034	9,718
L Real estate activities	535	1,998
M Professional, scientific and technical activities	2,635	17,377
N Administrative and support service activities	2,097	21,413
O Public administration and defence; Compulsory Social Security	652	10,210
P Education	557	7,696
Q Human health and social work activities	1,352	18,714
R Arts, entertainment and recreation	1,100	7,475
S Other service activities	1,123	5,983

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	27,086	228,800
Andalucía	2,604	22,110
Aragón	1,222	9,506
Asturias (Principado de)	1,054	7,608
Balears (Illes)	1,112	7,977
Canarias	1,315	10,045
Cantabria	899	6,015
Castilla y León	1,457	11,639
Castilla-La Mancha	1,275	9,707
Cataluña	3,563	35,452
Comunitat Valenciana	2,225	18,643
Extremadura	969	6,292
Galicia	1,574	12,445
Madrid (Comunidad de)	3,317	37,473
Murcia (Región de)	1,150	8,097
Navarra (Comunidad Foral de)	970	7,187
País Vasco	1,584	13,875
Rioja (La)	796	4,729

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	27,069	99.94	228,560	99.90
B Mining and quarrying industries	323	100.00	1,979	99.95
C Manufacturing industry	6,280	99.97	52,702	99.87
D Electricity, gas, steam and air conditioning supply	236	100.00	2,082	100.00
E Water supply; sewerage, waste management and remediation activities	765	100.00	6,601	99.97
F Construction	2,512	99.84	13,958	99.93
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,062	99.81	18,360	99.80
H Transportation and storage	1,303	100.00	11,537	99.97
I Accommodation and food service activities	971	99.90	8,113	99.96
J Information and communication	1,535	99.80	12,731	99.80
K Financial and insurance activities	1,034	100.00	9,684	99.65
L Real estate activities	534	99.81	1,994	99.80
M Professional, scientific and technical activities	2,634	99.96	17,369	99.95
N Administrative and support service activities	2,096	99.95	21,401	99.94
O Public administration and defence; Compulsory Social Security	652	100.00	10,204	99.94
P Education	557	100.00	7,692	99.95
Q Human health and social work activities	1,352	100.00	18,706	99.96
R Arts, entertainment and recreation	1,100	100.00	7,464	99.85
S Other service activities	1,123	100.00	5,983	100.00

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	27,069	99.94	228,560	99.90
Andalucía	2,603	99.96	22,091	99.91
Aragón	1,220	99.84	9,490	99.83
Asturias (Principado de)	1,054	100.00	7,599	99.88
Balears (Illes)	1,110	99.82	7,960	99.79
Canarias	1,315	100.00	10,041	99.96
Cantabria	899	100.00	6,005	99.83
Castilla y León	1,456	99.93	11,621	99.85
Castilla-La Mancha	1,275	100.00	9,702	99.95
Cataluña	3,563	100.00	35,439	99.96
Comunitat Valenciana	2,222	99.87	18,626	99.91
Extremadura	969	100.00	6,279	99.79
Galicia	1,572	99.87	12,437	99.94
Madrid (Comunidad de)	3,314	99.91	37,438	99.91
Murcia (Región de)	1,147	99.74	8,068	99.64
Navarra (Comunidad Foral de)	970	100.00	7,178	99.87
País Vasco	1,584	100.00	13,857	99.87
Rioja (La)	796	100.00	4,729	100.00

2016

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	27,202	230,337
B Mining and quarryng industries	321	1,972
C Manufacturing industry	6,257	52,447
D Electricity, gas, steam and air conditioning supply	237	2,072
E Water supply; sewerage, waste management and remediation activities	778	6,688.00
F Construction	2,538	13,935
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,082	18,606
H Transportation and storage	1,317	11,702
I Accommodation and food service activities	990	8,396
J Information and communication	1,540	13,030
K Financial and insurance activities	1,030	9,692
L Real estate activities	538	2,058
M Professional, scientific and technical activities	2,641	17,519
N Administrative and support service activities	2,106	21,433
O Public administration and defence; Compulsory Social Security	639	9,840
P Education	566	8,373
Q Human health and social work activities	1,358	18,960
R Arts, entertainment and recreation	1,123	7,495
S Other service activities	1,141	6,119

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	27,202	230,337
Andalucía	2,616	22,364
Aragón	1,226	9,633
Asturias (Principado de)	1,055	7,636
Balears (Illes)	1,143	8,310
Canarias	1,325	10,246
Cantabria	889	5,927
Castilla y León	1,470	11,666
Castilla-La Mancha	1,288	9,879
Cataluña	3,578	35,826
Comunitat Valenciana	2,224	18,445
Extremadura	982	6,381
Galicia	1,567	12,341
Madrid (Comunidad de)	3,328	37,729
Murcia (Región de)	1,167	8,183
Navarra (Comunidad Foral de)	973	7,233
País Vasco	1,579	13,819
Rioja (La)	792	4,719

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	27,190	99.96	230,250	99.96
B Mining and quarrying industries	321	100.00	1,972	####
C Manufacturing industry	6,252	99.92	52,397	99.90
D Electricity, gas, steam and air conditioning supply	237	100.00	2,072	####
E Water supply; sewerage, waste management and remediation activities	777	99.87	6,686	99.97
F Construction	2,537	99.96	13,930	99.96
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,082	100.00	18,604	99.99
H Transportation and storage	1,317	100.00	11,701	99.99
I Accommodation and food service activities	990	100.00	8,395	99.99
J Information and communication	1,540	100.00	13,030	####
K Financial and insurance activities	1,030	100.00	9,683	99.91
L Real estate activities	537	99.81	2,057	99.95
M Professional, scientific and technical activities	2,640	99.96	17,518	99.99
N Administrative and support service activities	2,104	99.91	21,429	99.98
O Public administration and defence; Compulsory Social Security	639	100.00	9,839	99.99
P Education	566	100.00	8,371	99.98
Q Human health and social work activities	1,358	100.00	18,954	99.97
R Arts, entertainment and recreation	1,123	100.00	7,494	99.99
S Other service activities	1,140	99.91	6,118	99.98

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	27,190	99.96	230,250	99.96
Andalucía	2,616	100.00	22,355	99.96
Aragón	1,226	100.00	9,633	100.00
Asturias (Principado de)	1,055	100.00	7,634	99.97
Balears (Illes)	1,142	99.91	8,308	99.98
Canarias	1,324	99.92	10,244	99.98
Cantabria	888	99.89	5,926	99.98
Castilla y León	1,470	100.00	11,665	99.99
Castilla-La Mancha	1,288	100.00	9,879	100.00
Cataluña	3,577	99.97	35,821	99.99
Comunitat Valenciana	2,222	99.91	18,428	99.91
Extremadura	982	100.00	6,378	99.95
Galicia	1,564	99.81	12,313	99.77
Madrid (Comunidad de)	3,327	99.97	37,727	99.99
Murcia (Región de)	1,165	99.83	8,169	99.83
Navarra (Comunidad Foral de)	973	100.00	7,233	100.00
País Vasco	1,579	100.00	13,818	99.99
Rioja (La)	792	100.00	4,719	100.00

2017

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	27,218	231,338
B Mining and quarryng industries	317	1,887
C Manufacturing industry	6,237	52,309
D Electricity, gas, steam and air conditioning supply	234	2,008
E Water supply; sewerage, waste management and remediation activities	763	6,527.00
F Construction	2,549	14,096
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,078	18,617
H Transportation and storage	1,315	11,880
I Accommodation and food service activities	995	8,465
J Information and communication	1,545	12,994
K Financial and insurance activities	1,024	9,453
L Real estate activities	537	2,059
M Professional, scientific and technical activities	2,637	17,429
N Administrative and support service activities	2,124	21,993
O Public administration and defence; Compulsory Social Security	652	10,154
P Education	572	8,472
Q Human health and social work activities	1,383	19,369
R Arts, entertainment and recreation	1,113	7,399
S Other service activities	1,143	6,227

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	27,218	231,338
Andalucía	2,647	22,638
Aragón	1,238	9,894
Asturias (Principado de)	1,063	7,698
Balears (Illes)	1,150	8,579
Canarias	1,342	10,326
Cantabria	903	5,983
Castilla y León	1,458	11,628
Castilla-La Mancha	1,283	9,796
Cataluña	3,568	35,818
Comunitat Valenciana	2,237	18,799
Extremadura	987	6,480
Galicia	1,558	12,331
Madrid (Comunidad de)	3,296	37,626
Murcia (Región de)	1,159	8,117
Navarra (Comunidad Foral de)	969	7,229
País Vasco	1,566	13,642
Rioja (La)	794	4,754

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	27,214	99.99	231,267	99.97
B Mining and quarrying industries	317	100.00	1,887	100.00
C Manufacturing industry	6,237	100.00	52,297	99.98
D Electricity, gas, steam and air conditioning supply	234	100.00	2,008	100.00
E Water supply; sewerage, waste management and remediation activities	763	100.00	6,527	100.00
F Construction	2,549	100.00	14,091	99.96
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,078	100.00	18,607	99.95
H Transportation and storage	1,313	99.85	11,873	99.94
I Accommodation and food service activities	995	100.00	8,465	100.00
J Information and communication	1,545	100.00	12,994	100.00
K Financial and insurance activities	1,024	100.00	9,452	99.99
L Real estate activities	536	99.81	2,058	99.95
M Professional, scientific and technical activities	2,637	100.00	17,429	100.00
N Administrative and support service activities	2,123	99.95	21,989	99.98
O Public administration and defence; Compulsory Social Security	652	100.00	10,133	99.79
P Education	572	100.00	8,468	99.95
Q Human health and social work activities	1,383	100.00	19,366	99.98
R Arts, entertainment and recreation	1,113	100.00	7,397	99.97
S Other service activities	1,143	100.00	6,226	99.98

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	27,214	99.99	231,267	99.97
Andalucía	2,646	99.96	22,616	99.90
Aragón	1,238	100.00	9,893	99.99
Asturias (Principado de)	1,063	100.00	7,695	99.96
Balears (Illes)	1,150	100.00	8,579	100.00
Canarias	1,342	100.00	10,324	99.98
Cantabria	903	100.00	5,983	100.00
Castilla y León	1,458	100.00	11,628	100.00
Castilla-La Mancha	1,283	100.00	9,795	99.99
Cataluña	3,568	100.00	35,814	99.99
Comunitat Valenciana	2,236	99.96	18,795	99.98
Extremadura	987	100.00	6,480	100.00
Galicia	1,558	100.00	12,319	99.90
Madrid (Comunidad de)	3,294	99.94	37,609	99.95
Murcia (Región de)	1,159	100.00	8,115	99.98
Navarra (Comunidad Foral de)	969	100.00	7,229	100.00
País Vasco	1,566	100.00	13,640	99.99
Rioja (La)	794	100.00	4,753	99.98

2019

Table 1. Sample sizes by section and activity subsections of the CNAE-09

	Units	Employees
All Activities	27,460	237,843
B Mining and quarryng industries	309	1,867
C Manufacturing industry	6,291	53,202
D Electricity, gas, steam and air conditioning supply	232	1,977
E Water supply; sewerage, waste management and remediation activities	743	6,258.00
F Construction	2,551	14,424
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,081	19,081
H Transportation and storage	1,344	12,276
I Accommodation and food service activities	1,013	8,910
J Information and communication	1,581	13,759
K Financial and insurance activities	1,014	9,343
L Real estate activities	528	2,098
M Professional, scientific and technical activities	2,700	18,388
N Administrative and support service activities	2,152	22,998
O Public administration and defence; Compulsory Social Security	634	9,924
P Education	603	9,082
Q Human health and social work activities	1,413	20,306
R Arts, entertainment and recreation	1,122	7,504
S Other service activities	1,149	6,446

Table 2. Sample sizes by Autonomous Community

	Units	Employees
NATIONAL TOTAL	27,460	237,843
Andalucía	2,659	23,354
Aragón	1,244	10,183
Asturias (Principado de)	1,059	7,776
Balears (Illes)	1,156	8,568
Canarias	1,355	10,739
Cantabria	915	6,252
Castilla y León	1,470	11,753
Castilla-La Mancha	1,309	10,208
Cataluña	3,584	36,565
Comunitat Valenciana	2,266	19,631
Extremadura	999	6,659
Galicia	1,578	12,772
Madrid (Comunidad de)	3,306	38,376
Murcia (Región de)	1,177	8,553
Navarra (Comunidad Foral de)	996	7,649
País Vasco	1,582	13,979
Rioja (La)	805	4,826

Table 3. Sample collection and response rates by section and activity subsections of the CNAE-09

	Units	Rate	Units	Rate
All Activities	27,460	100.00	237,812	99.99
B Mining and quarrying industries	309	100.00	1,867	100.00
C Manufacturing industry	6,291	100.00	53,200	100.00
D Electricity, gas, steam and air conditioning supply	232	100.00	1,977	100.00
E Water supply; sewerage, waste management and remediation activities	743	100.00	6,258	100.00
F Construction	2,551	100.00	14,420	99.97
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2,081	100.00	19,077	99.98
H Transportation and storage	1,344	100.00	12,262	99.89
I Accommodation and food service activities	1,013	100.00	8,909	99.99
J Information and communication	1,581	100.00	13,759	100.00
K Financial and insurance activities	1,014	100.00	9,343	100.00
L Real estate activities	528	100.00	2,098	100.00
M Professional, scientific and technical activities	2,700	100.00	18,387	99.99
N Administrative and support service activities	2,152	100.00	22,998	100.00
O Public administration and defence; Compulsory Social Security	634	100.00	9,923	99.99
P Education	603	100.00	9,082	100.00
Q Human health and social work activities	1,413	100.00	20,303	99.99
R Arts, entertainment and recreation	1,122	100.00	7,503	99.99
S Other service activities	1,149	100.00	6,446	100.00

Table 4. Sample collection and response rates by Autonomous Community

	Units	Rate	Units	Rate
NATIONAL TOTAL	27,460	100.00	237,812	99.99
Andalucía	2,659	100.00	23,353	100.00
Aragón	1,244	100.00	10,169	99.86
Asturias (Principado de)	1,059	100.00	7,776	100.00
Balears (Illes)	1,156	100.00	8,563	99.94
Canarias	1,355	100.00	10,737	99.98
Cantabria	915	100.00	6,252	100.00
Castilla y León	1,470	100.00	11,753	100.00
Castilla-La Mancha	1,309	100.00	10,208	100.00
Cataluña	3,584	100.00	36,558	99.98
Comunitat Valenciana	2,266	100.00	19,631	100.00
Extremadura	999	100.00	6,659	100.00
Galicia	1,578	100.00	12,772	100.00
Madrid (Comunidad de)	3,306	100.00	38,375	100.00
Murcia (Región de)	1,177	100.00	8,553	100.00
Navarra (Comunidad Foral de)	996	100.00	7,648	99.99
País Vasco	1,582	100.00	13,979	100.00
Rioja (La)	805	100.00	4,826	100.00