



## Statistical review of occupational injuries

# FRANCE

## 2012 data

Set of statistical data relating to **accidents at work**  
and **occupational diseases** in the European Union  
Member States

## Foreword

This document sets out a descriptive synthesis of the main available statistical data about accidents at work, commuting accidents and occupational diseases of the considered EU Member State.

It comes from the use by EUROGIP of various official publications from Member States. The data have been translated and presented according to the EUROGIP's knowledge of the analysed insurance system. These data have not been reprocessed by EUROGIP. For any confirmation, one has to refer to the source which is systematically given.

Comments do not intend to give explanatory factors to the figures but only to describe the underlying system's characteristics in order to allow the reader to analyse them.

## Acknowledgements

EUROGIP is grateful for the contribution of the Occupational Injuries Statistical Department of the CNAMTS-DRP (*Caisse nationale de l'assurance maladie des travailleurs salariés – Direction des risques professionnels* - National Health Insurance Fund for Employees – Occupational Risks Department) to this statistical review.

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## 1. Main characteristics of the French occupational injury insurance system

For employees, the Social Security system known as "compulsory general scheme" is organized around four Branches: the Family Branch managed by the *Caisse nationale d'allocations familiales*, CNAF [National Family Insurance Fund]; the Old Age Branch managed by the *Caisse nationale d'assurance vieillesse*, CNAV [National Old Age Pension Fund] and the "sickness" and "occupational injuries" Branches both managed by the *Caisse nationale de l'assurance maladie des travailleurs salariés*, CNAMTS [National Health Insurance Fund for Employees]. All these bodies are public entities.

### The occupational injury insurance

The occupational injury insurance, managed by CNAMTS, is the oldest piece of legislation of the Social Security system. Its principles have been settled in 1898 and have been re-enacted by the December, 31<sup>st</sup> 1946 Act. It covers three occupational risks: accidents at work, commuting accidents and occupational diseases.

The occupational injury insurance is in charge of managing occupational risks workers and companies of the industry, trades and services and some other categories (technical education students, vocational trainees, voluntary insured persons, etc.) are exposed to.

As the manager of occupational risks, the insurance:

- manages the legal insurance system in charge of work-related physical damages: accidents at work, commuting accidents and occupational diseases. Consequently, it compensates victims and sets companies' contribution to the system financing;
- implements the occupational risks prevention policy, aiming to improve the workers' health and safety at work. To do so, it undertakes information, training and research actions. It may grant financial incentives to companies and has a counselling and monitoring activity;

- is in charge of publishing a range of occupational injury statistical data. Statistics presented within this document are extracted from these publications.

Occupational risks prevention policy is set by the Labour Ministry after consultation of the social partners meeting within the *Conseil d'orientation des conditions de travail*, COCT [Working Conditions Advisory Committee]. It materializes with a long-term plan known as *Plan Santé au travail*, PST 2005-2009 and now PST2 2010-2014<sup>1</sup> [Health at Work Plan]. This global policy applies to the occupational injury insurance via a covenant<sup>2</sup> known as *Convention d'objectifs et de gestion*, COG 2009-2012 [Objectives and Management Covenant] settled every four years between the State and CNAMTS. Within this framework, orientations concerning the insurance and the prevention of occupational risks are set by the *Commission des accidents du travail et des maladies professionnelles*, CAT/MP [Occupational Injuries Committee] of the occupational injury insurance. This committee is equally made up of social partners: employers and employees.

Under the authority of the CAT/MP, the 9 *Comités techniques nationaux* [CTN – National technical Committees], and the 60 *Comités techniques régionaux* [CTR – Regional Technical Committees], also equally made up of representatives of employers and employees, help social partners in the setting up of prevention policies within the various activity branches.

<sup>1</sup> [http://travail-emploi.gouv.fr/espaces\\_770/travail\\_771/dossiers\\_156/sante-et-securite-au-travail\\_301/plans-de-sante-au-travail-pst\\_548/plan-de-sante-au-travail-2010-2014\\_1629/](http://travail-emploi.gouv.fr/espaces_770/travail_771/dossiers_156/sante-et-securite-au-travail_301/plans-de-sante-au-travail-pst_548/plan-de-sante-au-travail-2010-2014_1629/)

<sup>2</sup> [http://www.risquesprofessionnels.ameli.fr/fileadmin/user\\_upload/document\\_PDF\\_a\\_telecharger/.COG%202009-2012%20Assurance%20Maladie%20-%20Risques%20Professionnels.pdf](http://www.risquesprofessionnels.ameli.fr/fileadmin/user_upload/document_PDF_a_telecharger/.COG%202009-2012%20Assurance%20Maladie%20-%20Risques%20Professionnels.pdf)

In addition to CNAMTS-DRP, at national level, the network is composed of the *Caisses d'assurance retraite et de santé au travail*, CARSAT<sup>3</sup> [Regional Retirement and Health at Work Insurance Funds], in charge of prevention and risk-rating; there are 16 of them in metropolitan France.

The compensation of occupational injuries' victims is the responsibility of the *Caisses primaires d'assurance maladie*, CPAM [Local Health Insurance Funds]. There are currently 102 of them. For overseas departments, the *Caisses générales de sécurité sociale*, CGSS [Overseas Health Insurance Funds] gather in one fund all the different branches' activities. Since the first half of 2011, the CARSAT are assisted by the *Commissions régionales des accidents du travail et des maladies professionnelles*, CRAT-MP [Regional Accidents at Work and Occupational Diseases Committees] also equally made up of representatives of employers and employees. The CRAT-MP is the regional counterpart of the CAT-MP.

### Prevention of occupational risks

The prevention policy's orientations set by the CAT/MP are implemented by the CARSAT's and CGSS's prevention services and by the *Institut national de recherche et de sécurité*, INRS [National Research and Safety Institute], funded by the occupational injury insurance.

Prevention actions which combine counselling, training and monitoring are mainly undertaken by consulting engineers and prevention technicians.

### Accidents at work and commuting accidents

Mandatory notification of a work accident or a commuting accident to the occupational injury insurance is the basic principle. In case of an accident, the victim must inform himself/herself or have his/her employer informed within 24 hours. He/she must specify the location, the circumstances and the identity of potential witnesses. For his part, the employer must deliver to his worker an accident slip the victim will show to his doctor, this will save the victim from paying in advance for the medical expenses (within the authorized

ceilings). The employer also has to make an accident notification within 48 hours to the CPAM the victim is affiliated to. The CPAM will inform the Labour Inspectorate. The employer has to notify occupational injuries even if there is no expense and no day off work.

The electronic notification now accounts for ¼ of the notifications.

As soon as a CPAM receives a notification, a serial number is allocated to it. It is specific to this event. The codification and the data entry are shared between the local level (CPAM) and the regional level (CARSAT).

Every recognized accident, even those incurring no expense or no day off work, is codified. However, if the financial statistics cover all accidents having incurred an expense even those without a day off work, only accidents with at least one day off work are considered by the technological statistics. This codification is done for prevention purposes and the results are published.

### Occupational diseases

The victim (or the victim's beneficiaries) has to send to his/her CPAM the claim for recognition backed up with a wage certificate and the descriptive medical certificate issued by the doctor who diagnosed the disease. The file must be forwarded within two weeks after the work stoppage or after the disease has been diagnosed. However, the victim has a two-year delay starting the day he/she stops to work or the day the victim was informed with a medical certificate about a potential link between his/her disease and his/her professional activity to file a claim for this disease to be recognized as an occupational disease. This delay is a term of limitation.

On receipt of the claim for recognition, the CPAM opens an administrative and medical enquiry. It informs the employer, the labour doctor and the labour inspector about this claim. The CPAM has three months, upon receipt of the claim to make a decision. Silence amounts to an approval. The insurance may extend the initial three-month delay by a second and single three-month delay to proceed to a further enquiry.

<sup>3</sup> From the 1<sup>st</sup> of July 2010, the CRAMs (*Caisses régionales d'assurance maladie*) are designated as *Caisses d'assurance retraite et de santé au travail*, CARSAT [Regional Retirement and Health at Work Insurance Fund].

As for the occupational origin of a disease, it results from:

- a presumption of occupational origin if the disease is listed in one of the tables of ODs and when the worker meets all the criteria specified within this table. In this case, the worker does not have to prove the link between his disease and his professional activity. Among these criteria, besides the fact the disease has to be listed in the table, are two other ones like the effective exposure to the related agent for a certain amount of time and the performance of an activity exposing to the risk mentioned in the list. At last, the claim for recognition must be filed within the time limit<sup>4</sup> for a compensation claim which runs from the end of exposure to the moment this disease is diagnosed. These tables are established and modified by governmental decree when needed according to the evolutions of the technical processes and of the medical progresses. Currently, there is a list of 119 tables (chapters) in force attached to the Social Security Code (March 2012).
- an additional complementary system dealing with two kinds of situations: either the disease is on one of the tables but one or more criteria are not met or the disease is not listed but is the consequence of a professional activity and caused to the victim a permanent disability of at least 25% or his/her death. For these kinds of situations the CPAM prepares specific files and submits them to the *Comité régional de reconnaissance des maladies professionnelles*, CRRMP [Occupational Diseases Recognition Regional Committee] whose decision imposes on the CPAM which passes it on to the victim.

Recognition or non-recognition decisions may be disputed through legal action by the victims and by the employers. Decisions are founded and grounds for appeal are specified.

<sup>4</sup> The time limit for compensation claim must not be mistaken with the two-year term of limitation (delay between the diagnosis and the compensation claim) beyond which a claim for recognition may no longer be introduced. The time limit compensation claim (delay between the diagnosis and the end of exposure) is specific to each disease associated to an exposure factor. It is for instance of 30 days for cases of tetanus (excluding consequences of an accident at work) for sewage works.

For additional information, please refer to the INRS brochures: *Les maladies professionnelles. Guide d'accès aux tableaux du régime général et du régime agricole de la Sécurité sociale*<sup>5</sup> [Occupational diseases, Access Guide to the Compulsory General Scheme and Agricultural Scheme of the Social Security] or the legal aide-memoire *Les maladies professionnelles. Régime général*<sup>6</sup> [Occupational Diseases. Compulsory General Scheme] which may be downloaded (in French only) from the [www.inrs.fr](http://www.inrs.fr) website.

### Benefits

Duly recognized occupational injuries give right to the victim to three types of benefits<sup>7</sup>: benefits in kind, cash benefits and permanent disability benefits. Benefits in kind mean that all the victim's expenses (medical treatment, functional and professional rehabilitation) are fully taken in charge by the Social Security. As for benefits in cash, they cover partially the loss of salary. Finally, in case of a definitive loss of capacity to earn a living, the victim is entitled either to a capital when the permanent disability rate is less than 10% or a pension when this rate is equal or superior to 10%. In case of the victim's death, eligible parties (spouse, children and dependent descendants and ascendants) receive a pension.

These rules apply to activity branches insured by the occupational injury insurance, but also to public administration workers who do not have tenure, State and Department of Defence workers, Railroads and utilities workers, Parisian public transportation workers and coal miners' scheme. On the other hand, State, hospitals and local administrations come under other compensation schemes.

Statistics presented within this document cover accidents at work, commuting accidents and occupational diseases with at least one day off work, a permanent disability and/or death of the victim. They take into consideration salaried and assimilated workers of the compulsory

<sup>5</sup> Ref. ed835

<sup>6</sup> Ref. TJ 19

<sup>7</sup> Including the complementary temporary unfitness benefit paid since the 1<sup>st</sup> of July 2010. It is paid to victims whose unfitness to their work station is caused by an occupational injury.

general scheme of the industry, craft, trades and services i.e. the private and mercantile sector excluding agriculture.

### Funding system

The employer is the sole responsible for the funding. The amount of the contribution depends on the size of the company, its activity branch, as well as the frequency and severity of claims which are taken into account over a three-year period.

Every year, the occupational injury insurance sets the contribution rate for each company i.e. for each operation unit. There are a little more than 2 million of them.

New premium pricing policies are being implemented and will take their full effect in 2014, as the premium rates will be calculated according to the new modalities and new workforce size thresholds for accidents and illnesses that occurred in 2010, 2011 and 2012.

Three types of contribution rates based on staff are implemented since the 1<sup>st</sup> of January 2012:

- A collective rate for a staff ranging from 1 to 19 employees as claims are assessed collectively by activity branch. Thus, all companies within the same activity branch have the same rate.
- A mixed rate for a workforce ranging from 20 to 149 employees. This calculation method combines the collective and the individual approaches. The rate will be rather collective around 20 employees to become more and more individualized when the staff goes closer to 149 employees.
- An individual rate when the staff is beyond 150 employees as all insurance's expenses are individually taken into account for each company.

This reform will increase the share of individual rates for medium size companies and will entice them to develop their prevention efforts. Another feature of the reform is to make the financial incentives to prevention more accessible to SMEs.

In 2012, the average national rate is 2.38%. In 2011, this average rate was 2.28%.

## 2. Statistical data sources

Concerning accidents at work, commuting accidents and occupational diseases, data come from the occupational injury insurance (CNAMTS-DRP) whose general website about occupational risks includes a large statistics section:

<http://www.risquesprofessionnels.ameli.fr/>

Most of the data reproduced within this document are issued from the *Rapport de gestion 2012* [2012 Management report]:

[http://www.risquesprofessionnels.ameli.fr/fileadmin/user\\_upload/document\\_PDF\\_a\\_telecharger/brochures/Rapport\\_gestion\\_2012.pdf](http://www.risquesprofessionnels.ameli.fr/fileadmin/user_upload/document_PDF_a_telecharger/brochures/Rapport_gestion_2012.pdf)

and from the document *Compte rendu d'activité 2012* [2012 Annual Report].

[http://www.risquesprofessionnels.ameli.fr/fileadmin/user\\_upload/document\\_PDF\\_a\\_telecharger/brochures/Compte\\_rendu\\_activite\\_2012.pdf](http://www.risquesprofessionnels.ameli.fr/fileadmin/user_upload/document_PDF_a_telecharger/brochures/Compte_rendu_activite_2012.pdf)

*Introduction to occupational diseases* (in English)

[http://en.inrs.fr/INRS-PUB/inrs01.nsf/inrs01\\_search\\_view\\_view/290A62BA7E7ABACOC1256ED9004EBB21/\\$FILE/print.html](http://en.inrs.fr/INRS-PUB/inrs01.nsf/inrs01_search_view_view/290A62BA7E7ABACOC1256ED9004EBB21/$FILE/print.html)

To know more about occupational health and safety in France (in French only):

<http://www.travailler-mieux.gouv.fr/>

To know more about the Social Security system in general (in French only):

<http://www.securite-sociale.fr/>

To know more about the health insurance in particular (in French only):

<http://www.ameli.fr/>

To know more about statistics in France (with sections in English):

<http://www.insee.fr/fr/>

To know more about Social Security systems in Europe (and in the world):

<http://www.eurogip.fr/> and more specifically for France (in English):

[http://www.cleiss.fr/docs/regimes/regime\\_france.html](http://www.cleiss.fr/docs/regimes/regime_france.html)

### 3. Main data

In 2012, the occupational injury insurance insured **18,296,201** employees in 9 main activity branches distributed among **2,038,719** operation units<sup>8</sup>.

#### Main activity branches

Activity branch	Workers	Operation units
Metallurgical industry	1,724,911	101,560
Construction	1,576,864	282,630
Transportation, Utilities <sup>9</sup> , Printing, Communication	2,111,193	212,660
Food	2,318,803	324,381
Chemical, Rubber, Plastic products	427,016	8,755
Wood, Furnishings, Paper and cardboard, Textile, Clothing, Leather and pelt, Quarrying and manufacturing of mineral products, Recycling	472,590	39,017
Trades (non food)	2,250,853	461,379
Service I (Banks, insurances, administrations, etc.)	4,190,532	307,530
Service II (Health services, etc.) and temporary work	3,223,439	300,807
<b>Subtotal</b>	<b>18,296,201</b>	<b>2,038,719</b>

#### Companies' distribution according to the importance of staff – 2009 data

Company staff	Distribution according to staff size	Relevant proportion of workers	Number of companies	Number of workers
1 worker	42.9%	4.0%	723,512	722,817
2 workers	14.9%	2.8%	250,859	498,459
3 workers	8.8%	2.4%	148,916	443,406
4 or 5 workers	10.3%	4.2%	173,199	758,431
6 to 9 workers	9.5%	6.3%	159,991	1,138,684
10 to 19 workers	6.9%	8.4%	115,715	1,512,694
20 to 49 workers	4.3%	11.9%	72,700	2,149,608
50 to 149 workers	1.7%	12.3%	28,451	2,218,608
150 to 199 workers	0.2%	3.4%	3,762	622,051
200 to 249 workers	0.1%	2.6%	2,182	467,808
250 to 299 workers	0.1%	2.3%	1,562	413,103
300 to 999 workers	0.4%	27.0%	6,156	4,887,985
5,000 workers and more	0.0%	12.6%	173	2,273,436
<b>All sizes</b>	<b>100.0%</b>	<b>100.0%</b>	<b>1,687,179</b>	<b>18,107,420</b>

<sup>8</sup> It refers to the operation units' total number calculated taking into account each activity's risk. A company may be divided into several operations which may themselves be divided into operation units. An operation unit is statistically identified according to its main activity. Most SMEs are made of only one operation and one unit.

<sup>9</sup> Water, Gas, Electricity



### Recognition activity during the 2011 reference year

Kind of injury	Number of notifications	Number of recognitions	Refusals and filings <sup>10</sup>	Recognition rate
Accidents at work	1,290,454	1,000,797	294,843	77.2%
Commuting accidents	170,869	133,272	47,787	73.6%
Occupational diseases	121,410	80,331	39,914	66.8%
<b>Total</b>	<b>1,582,733</b>	<b>1,214,400</b>	<b>382,544</b>	<b>76.0%</b>

### Recognition activity during the 2012 reference year

Kind of injury	Number of notifications	Number of recognitions	Refusals and filings <sup>10</sup>	Recognition rate
Accidents at work	1,228,478	943,011	340,925	73.4%
Commuting accidents	164,019	123,019	50,749	70.8%
Occupational diseases	110,357	71,604	48,206	59.8%
<b>Total</b>	<b>1,502,854</b>	<b>1,137,634</b>	<b>439,880</b>	<b>72.1%</b>

Note: The total number of recognitions of the reference year is not strictly equal to the sum of the number of recognitions and the number of refusals because the decision for a case may occur the year following its notification. For the recognition rate's calculation only the decisions made during the year are considered.

<sup>10</sup> Starting with the 2010 data, insufficiently documented claims are filed that is to say they are placed on hold in order to wait for the necessary documentation for a further examination.

## Definition of the concepts in use to count occupational injuries

Permanent disabilities, deaths and temporary disability lost days are registered in specific accounts:

- Permanent disabilities as a consequence of an occupational injury (accident or disease) are registered in the account "with permanent disabilities" either the year of the capital payment (for permanent disability rate < to 10%) or the year of the first pension payment (for permanent disability rates  $\geq$  to 10%).
- Deaths as a consequence of an occupational injury are registered in the account "of which fatal" the year the death benefit is paid. Cases taken in charge are only those for which the death occurred before the consolidation, i.e. before the setting of the permanent disability rate and payment of a pension. So the death of an occupational disease pensioned victim is not registered. On the other hand, these deaths as an occupational injury's consequence give right to a pension for the eligible parties.
- Temporary disability lost days as a consequence of an occupational injury are registered in the account "Number of compensated days off work" whatever the first payment year is.
- The accident at work incidence rate is the ratio of the number of accidents at work divided by the number of workers and multiplied by 1,000.
- The commuting accidents incidence rate is the ratio of the number of commuting accidents at work divided by the number of workers and multiplied by 1,000.
- The severity rate is equal to the number of temporary disability lost days divided by the number of worked hours and multiplied by 1,000 working hours. This rate does not take into account fatal accidents.
- The severity index is equal to the sum of the permanent disability rates<sup>11</sup> divided by the number of worked hours and multiplied by 1,000,000. This index takes into account fatal accidents which are counted as a 99% permanent disability rate.

These concepts will be used in the following tables.

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<sup>11</sup> The permanent disability rates' sum includes all individual disability rates fatal or not.

## 4. Accidents at work and commuting accidents

The following data dealing with accidents at work cover all the workers of the compulsory general scheme that is to say the 9 main activity branches. On the other hand, concerning the data dealing with the commuting accidents, are added to the 9 main activity branches, the construction industry offices and headquarters, the offices and headquarters of the other activity branches and some other specific professional groups. These new categories will be hereinafter called "Additional groups".

### 4.1 Accidents at work

#### Number of recognized accidents during the reference year<sup>12</sup>

Year	Accidents at work
2007	1,158,652
2008	1,118,590
2009	1,018,679
2010	995,488
2011	1,000,797
<b>2012</b>	<b>943,011</b>

Data covering the 9 main activity branches

#### Number of recognized accidents with at least one day of absence from work / 1<sup>st</sup> payment during the year and number of accidents with at least three days of absence from work

Year	at least 1 day off	at least 3 days off
2007	720,150	:
2008	703,976	628,857
2009	651,453	581,816
2010	658,847	590,639
2011	669,914	602,576
<b>2012</b>	<b>640,891</b>	<b>577,995</b>

: not available

Data covering the 9 main activity branches

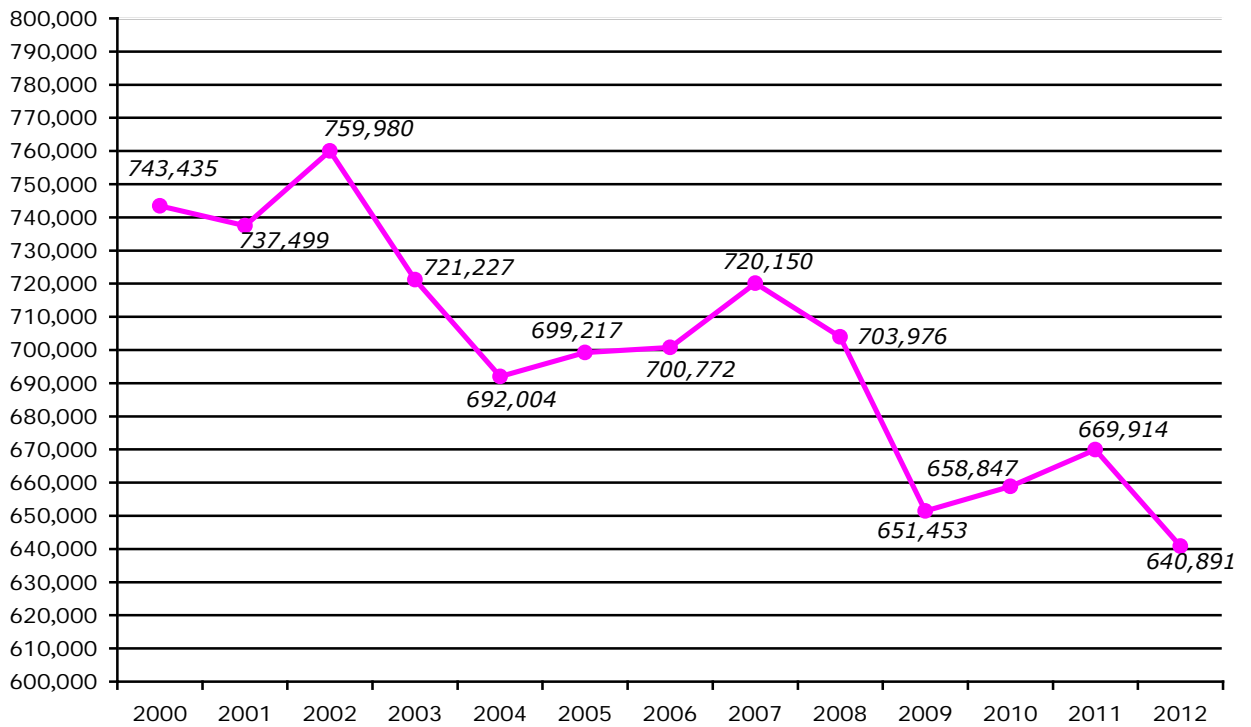
#### Fatal accidents at work

Year	Accidents at work
2007	622
2008	569
2009	538
2010	529
2011	552
<b>2012</b>	<b>558</b>

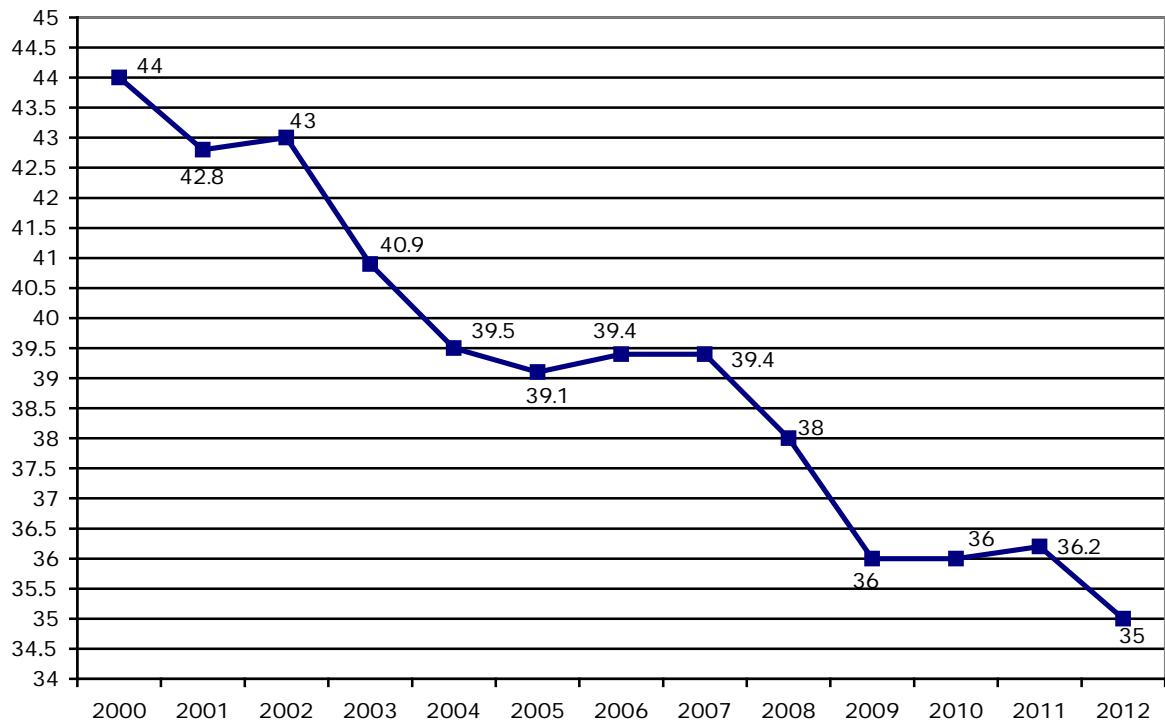
Data covering the 9 main activity branches

<sup>12</sup> Data about the number of recognized accidents during the reference year come from the SGE TAPR annual data bases.

Annual distribution of the number of accidents at work with at least one day of absence from work for the 9 main activity branches



Accidents at work incidence rate for the workers of the 9 main activity branches



## Distribution of accidents at work per activity branch (in absolute value) – 2012 data

Activity branch	Accidents with a first payment	of which with at least 3 days off	with permanent disability	Fatal	Number of compensated days off
Metallurgical industry	57,929	50,747	3,982	64	2,905,074
Construction	107,715	97,428	7,873	131	6,662,226
Transportation, Utilities <sup>13</sup> , Printing, Communication	92,288	84,904	5,823	108	5,948,422
Food	112,067	102,243	5,596	60	6,179,119
Chemical, Rubber, Plastic products	12,103	10,799	798	11	674,791
Wood, Furnishings, Paper and cardboard, Textile, Clothing, Leather and pelt, Quarrying and manufacturing of mineral products, Recycling	22,799	20,463	1,743	25	1,294,699
Trades (non food)	52,143	46,990	3,344	41	3,141,065
Service I (Banks, insurances, administrations, etc.)	41,944	36,496	2,364	40	2,038,570
Service II (Health services, etc.) and temporary work	141,903	127,925	8,613	78	8,979,162
<b>Sub-total for the 9 main branches</b>	<b>640,891</b>	<b>577,995</b>	<b>40,136</b>	<b>558</b>	<b>37,823,128</b>
Offices and headquarters construction	212	183	27	1	12,360
Offices and headquarters non construction	455	379	34	2	22,668
Sub-total for the 9 main branches + offices and headquarters	641,558	578,557	40,197	561	37,858,156
Other activity branches	9,138	7,908	960	12	702,470
<b>Total</b>	<b>650,696</b>	<b>586,465</b>	<b>41,157</b>	<b>573</b>	<b>38,560,626</b>

Data covering the 9 main activity branches plus the additional groups

## Distribution of accidents at work per activity branch expressed in rates – 2012 data

Activity branch	Incidence rate	Frequency rate	Severity rate	Severity index
Metallurgical industry	33.6	21.4	1.1	15.1
Construction	68.3	44.0	2.7	37.2
Transportation, Utilities <sup>13</sup> , Printing, Communication	43.7	29.6	1.9	20.3
Food	48.3	31.0	1.7	14.9
Chemical, Rubber, Plastic products	28.3	19.3	1.1	12.9
Wood, Furnishings, Paper and cardboard, Textile, Clothing, Leather and pelt, Quarrying and manufacturing of mineral products, Recycling	48.2	3.8	1.7	25.7
Trades (non-food)	23.2	15.3	0.9	10.0
Service I (Banks, insurances, administrations, etc.)	10.0	7.2	0.3	4.1
Service II (Health services, etc.) and temporary work	44.0	30.3	1.9	17.2
<b>Global rate</b>	<b>35.0</b>	<b>23.5</b>	<b>1.4</b>	<b>15.3</b>

Data covering the 9 main activity branches

<sup>13</sup> Water, Gas, Electricity

**Distribution of accidents at work per simplified material agent in absolute value – 2012 data**

<b>Material agent</b>	<b>with days off</b>	<b>with permanent disability</b>	<b>Fatal</b>	<b>Number of compensated days off</b>
Accidents on same level	157,777	9,470	15	9,666,022
Fall from height	71,925	6,239	52	6,033,760
Manual handling	221,683	12,581	20	12,390,297
Mass in motion	28,747	1,453	33	1,193,652
Lifting	21,422	1,432	18	1,323,338
Vehicles	20,522	1,900	132	1,514,884
Machines	19,463	1,959	6	926,987
Earthmoving vehicles	974	114	9	84,028
Portable tools	37,807	1,490	0	1,055,256
Apparatus containing fluids	6,825	202	0	163,908
Vapours, gas, dusts, combustibles, ionising or non-ionising radiations	1,127	65	4	45,963
Electricity	726	59	5	43,619
Various: games and sports, fights and attacks, non classified material agents elsewhere	35,547	1,987	19	2,170,099
Non classified accidents due to lack of information, faintness, sudden death or not	16,346	1,185	245	1,211,315
<b>Total</b>	<b>640,891</b>	<b>40,136</b>	<b>558</b>	<b>37,823,128</b>

These data cover the main 9 activity branches.

## 4.2 Commuting accidents

### Number of recognized accidents during the reference year<sup>14</sup>

Year	Commuting accidents
2007	119,670
2008	123,495
2009	128,489
2010	137,251
2011	133,272
<b>2012</b>	<b>123,019</b>

Data covering the 9 main activity branches plus the additional groups

### Number of recognized accidents with at least one day of absence from work / 1<sup>st</sup> payment during the year

Year	Commuting accidents
2007	85,442
2008	87,855
2009	93,840
2010	98,429
2011	100,018
<b>2012</b>	<b>90,092</b>

- of which **78,238** recognized accidents with more than three days off work in 2012.

Data covering the 9 main activity branches plus the additional groups

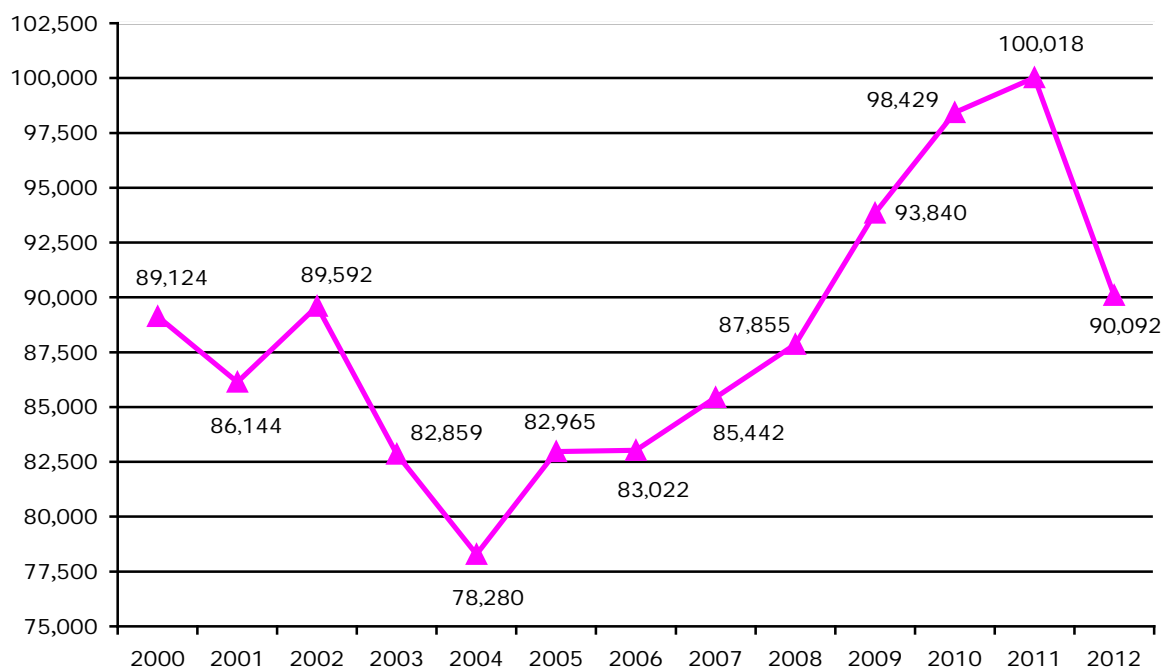
### Fatal commuting accidents

Year	Commuting accidents
2007	407
2008	387
2009	356
2010	359
2011	393
<b>2012</b>	<b>323</b>

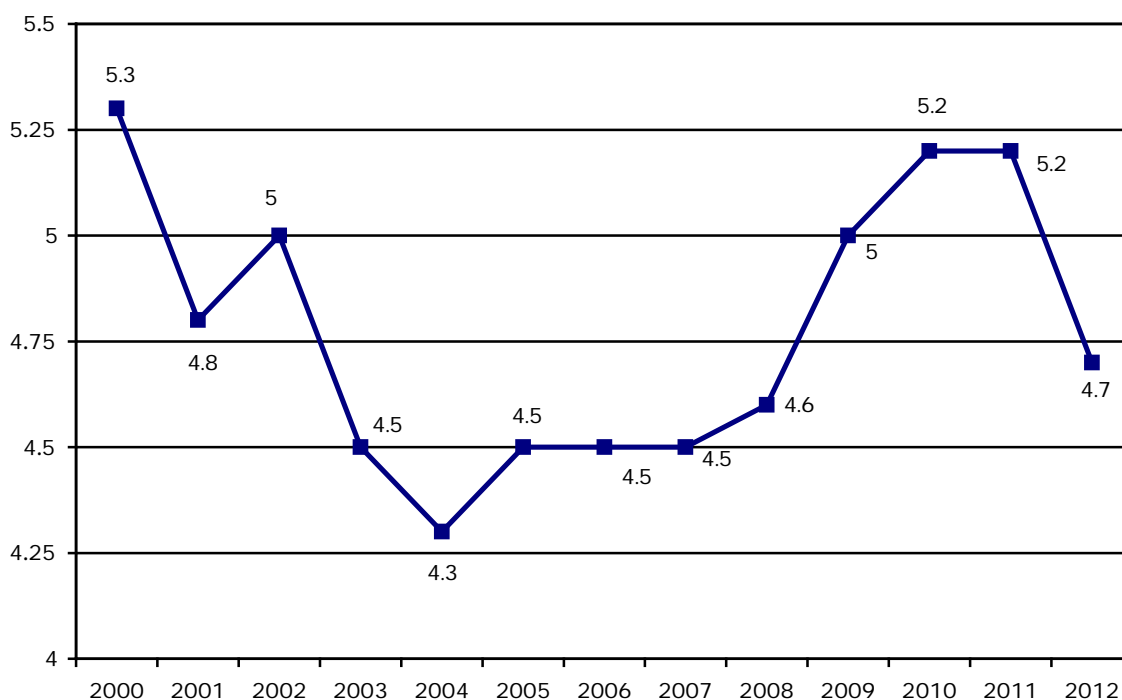
Data covering the 9 main activity branches plus the additional groups

<sup>14</sup> Data about the number of recognized accidents during the reference year come from the SGE TAPR annual data bases.

Annual distribution of the number of accidents with at least one day of absence from work for the 9 main activity branches including the additional groups



Frequency rate of accidents with at least one day of absence from work for the 9 main activity branches including the additional groups



Data covering the 9 main activity branches plus the additional groups



## Commuting accidents' distribution per activity branch in absolute value – 2012 data

Activity branches	with 1 day off	with at least 3 days off	with permanent disability	Fatal	Number of compensated days off
Metallurgical industry	6,452	5,506	700	54	462,813
Construction	6,131	5,372	528	46	458,365
Transportation, Utilities <sup>15</sup> , Printing, Communication	8,812	7,669	869	37	658,024
Food	15,461	13,892	1,125	47	1,103,627
Chemical, Rubber, Plastic products	1,300	1,089	137	5	87,186
Wood, Furnishings, Paper and cardboard, Textile, Clothing, Leather and pelt, Quarrying and manufacturing of mineral products, Recycling	1,728	1,525	182	7	137,552
Trades (non food)	9,790	8,487	854	37	613,461
Service I (Banks, insurances, administrations, etc.)	15,926	13,249	1,434	29	789,992
Service II (Health services, etc.) and temporary work	22,377	19,670	1,984	56	1,614,182
<b>Subtotal for the 9 main branches</b>	<b>87,977</b>	<b>76,459</b>	<b>7,813</b>	<b>318</b>	<b>5,925,202</b>
Offices and headquarters construction	116	94	15	1	6,321
Offices and headquarters non construction	279	230	21	2	15,225
Sub-total for the 9 main branches + offices and headquarters	88,372	76,783	7,849	321	5,946,748
Other specific occupations	1,720	1,455	254	2	156,105
<b>Total</b>	<b>90,092</b>	<b>78,238</b>	<b>8,103</b>	<b>323</b>	<b>6,102,853</b>

These data cover the 9 main activity branches plus the additional groups.

## Distribution per implicated material agent in absolute value – 2012 data

Material agent	with days off	with permanent disability	Fatal	Number of compensated days off
Vehicles	54,986	5,194	275	3,739,717
Fall on the same level	20,635	1,848	4	1,372,075
Fall from height	8,299	491	1	528,997
Other	6,172	570	43	462,064
<b>Total</b>	<b>90,092</b>	<b>8,103</b>	<b>323</b>	<b>6,102,853</b>

These data cover the 9 main activity branches plus the additional groups.

## Distribution per implicated material agent in percentage of total – 2012 data

Material agent	with days off	with permanent disability	Fatal	Number of compensated days off
Vehicles	61.0	64.1	85.1	61.3
Fall on the same level	22.9	22.8	1.2	22.5
Fall from height	9.2	6.1	0.3	8.7
Other	6.9	7.0	13.3	7.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

These data cover the 9 main activity branches plus the additional groups.

<sup>15</sup> Water, Gas, Electricity

### 4.3 Fatal work and commuting accidents

Year	Fatal accidents at work	Fatal commuting accidents	Total
2007	622	407	1,029
2008	569	387	956
2009	538	356	894
2010	529	359	888
2011	552	393	945
<b>2012</b>	<b>558</b>	<b>323</b>	<b>881</b>

The data within the above table cover the fatal accidents at work of the 9 main activity branches. For the fatal commuting accidents, the data cover the 9 main activity branches plus the additional groups.

<b>2012</b>	<b>573</b>	<b>323</b>	<b>896</b>
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The data within the above line cover the fatal accidents at work and the fatal commuting accidents for the 9 main activity branches plus the additional groups.

#### 4.4 The work-related road risk

The occupational injury insurance fund pays a lot of attention to the work-related road risk. Specific statistics dealing with this risk are available. They do not consider traffic accidents within the premises of a company. The common characteristic of all these accidents is to have taken place while travelling on a public road and to have a motorized or not vehicle as the material agent of the accident. For instance, a pedestrian falling in public stairs while commuting to work will not be included in the following data.

##### *Work-related while working and commuting road accidents' trend*

Total	2008	2009	2010	2011	2012
with days off	78,565	77,365	77,849	77,239	74,192
of which with permanent disability	7,884	7,915	7,305	7,325	7,060
of which fatal	465	398	404	466	386
number of compensated days off	5,360,668	5,345,990	5,287,379	5,330,182	5,216,742

Within this table, the data are covering the 9 main activity branches for the fatal accidents while driving for work and the data for the 9 main activity branches plus the additional groups for the fatal commuting accidents.

##### *Work-related while working road accidents' trend*

While driving for work	2008	2009	2010	2011	2012
with days off	20,394	19,465	20,417	20,319	19,565
of which with permanent disability	2,157	2,025	1,908	1,936	1,878
of which fatal	132	92	101	112	115
number of compensated days off	1,489,509	1,456,580	1,476,882	1,484,259	1,491,286

In 2012, among the 115 fatal accidents while driving for work, 43 of them had a private vehicle as a material agent or 37.4% of the total. Data for these accidents consider only the 9 main activity branches.

##### *Work-related commuting road accidents' trends*

Commuting	2008	2009	2010	2011	2012
with days off	58,171	57,900	57,432	56,920	54,627
of which with permanent disability	5,727	5,890	5,397	5,389	5,182
of which fatal	333	306	303	354	271
number of compensated days off	3,871,159	3,889,410	3,810,497	3,845,923	3,725,456

In 2012, among the 271 fatal commuting accidents, 133 of them had a private vehicle as a material agent or 49.1% of the total. Data for these commuting accidents consider the 9 main activity branches plus the additional groups.

## Distribution of road work accidents per material agent

Material agent	with days off	with permanent disability	Fatal	Number of compensated days off
Private cars	6,531	643	43	460,049
Light utility vehicles - less than 3.5 tons	1,384	139	13	112,285
Trucks – more than 3.5 tons	2,216	247	35	215,838
Road public transportation	764	65	1	60,562
Motorcycles, mopeds, motor scooters,	3,315	244	3	233,904
Bicycles	1,019	64	0	47,591
Pedestrians hurt by a vehicle	970	171	4	110,240
Not listed above	896	93	4	67,189
No information	2,470	212	12	183,628
<b>Total</b>	<b>19,565</b>	<b>1,878</b>	<b>115</b>	<b>1,491,286</b>

Data covering the 9 main activity branches

## Distribution of commuting accidents per material agent

Material agent	with days off	with permanent disability	Fatal	Number of compensated days off
Private cars	24,973	2,205	133	1,495,341
Light utility vehicles - less than 3.5 tons	458	34	5	60,236
Trucks – more than 3.5 tons	398	73	9	37,518
Road public transportation	696	67	1	48,462
Motorcycles, mopeds, motor scooters,	16,239	1,568	70	1,249,056
Bicycles	3,944	295	3	206,508
Pedestrians hurt by a vehicle	1,638	300	13	168,979
Not listed above	653	52	2	41,164
No information	5,628	588	35	418,192
<b>Total</b>	<b>54,627</b>	<b>5,182</b>	<b>271</b>	<b>3,725,456</b>

Data covering the 9 main activity branches

## 5. Occupational diseases

### Count of occupational diseases (ODs)

	2008	2009	2010	2011	2012
Number of recognized ODs during the reference year <sup>16</sup>	59,884	69,643	71,194	80,331	71,604
ODs with a first payment during the year	45,411	49,341	50,688	55,057	54,015
Number of victims with ODs with a first payment	43,269	45,472	46,308	50,314	49,288
<i>of which new permanent disability</i>	23,134	24,734	24,961	27,132	29,267
<i>of which victims with new permanent disability</i>	21,976	22,683	22,146	23,871	25,686
<i>of which fatal</i>	425	564	533	570	523
Number of compensated days off	8,709,700	9,328,041	9,771,667	10,765,577	10,748,158

Data for occupational diseases consider the 9 main activity branches plus the additional groups.

The difference between the number of recognized ODs and that of ODs with a first payment can be partly explained by the late recording of recognized ODs at the end of the year which can have a first payment only at the beginning of the following year. A more or less important shift occurs each year. On the other hand, some recognized ODs bring no cost at all or no absence from work to the occupational injury insurance. This is the case, for instance, of recognized ODs for retired victims. There is no compensation for days off since there is no loss of income.

### Count of occupational diseases giving right to a first compensation during the reference year, listed in the main occupational diseases tables

Diseases	2008	2009	2010	2011	2012
Articular diseases	33,682	37,728	39,874	43,359	42,148
Asbestos dust-induced diseases	4,597	4,298	3,780	3,869	3,500
Lumbar spine chronic affections / heavy loads	2,338	2,485	2,433	3,042	3,208
Noise-induced diseases	1,076	1,048	925	973	1,017
Asbestos-induced bronchogenic carcinoma	914	981	962	1,008	1,031
Lumbar spine chronic affections / vibrations	377	363	381	379	488
Meniscus chronic lesions	372	387	422	517	533
Allergic eczema	298	277	293	274	295
Silicatic inhalation-induced pneumoconiosis	274	308	232	248	275
Rhinitis and occupational asthma	244	222	217	222	225
Vibration-induced diseases / machine-tools	157	162	131	144	160
Wood dust-induced diseases	99	87	95	90	84
Diseases caused by infectious agents in health services	98	84	77	89	136
Diseases caused by cement	97	94	73	76	76
Diseases listed in other tables	788	817	791	767	1,055
<b>Total number of diseases</b>	<b>45,411</b>	<b>49,341</b>	<b>50,688</b>	<b>55,057</b>	<b>54,015</b>

<sup>16</sup> Data about the number of recognized occupational diseases during the reference year come from the SGE TAPR annual data bases.

## Distribution of the number of occupational diseases giving right to a first payment during 2012 per activity branch

Activity branches	Number of ODs	New permanent disability	Fatal	Number of compensated days off
Metallurgical industry	7,328	4,051	60	1,362,021
Construction	6,763	3,593	28	1,385,893
Transportation, Utilities <sup>17</sup> , Printing, Communication	3,112	1,623	7	654,518
Food	10,489	4,554	2	2,372,054
Chemical, Rubber, Plastic products	1,924	1,069	7	383,340
Wood, Furnishings, Paper and cardboard, Textile, Clothing, Leather and pelt, Quarrying and manufacturing of mineral products, Recycling	3,136	1,702	12	655,941
Trades (non food)	2,456	1,325	4	526,113
Service I (Banks, insurances, administrations, etc.)	1,842	1,012	5	345,703
Service II (Health services, etc.) and temporary work	7,559	3,617	2	1,598,744
<b>Sub-total 9 main branches</b>	<b>44,609</b>	<b>22,546</b>	<b>127</b>	<b>9,284,327</b>
Offices and headquarters construction	18	10	0	3,130
Offices and headquarters non construction	50	9	0	8,921
Sub-total for the 9 main branches + offices and headquarters	44,677	22,565	127	9,296,416
Other specific occupations	667	344	0	114,416
OD special account <sup>(1)</sup>	8,671	6,358	396	1,337,364
<b>Total</b>	<b>54,015</b>	<b>29,267</b>	<b>523</b>	<b>10,748,158</b>

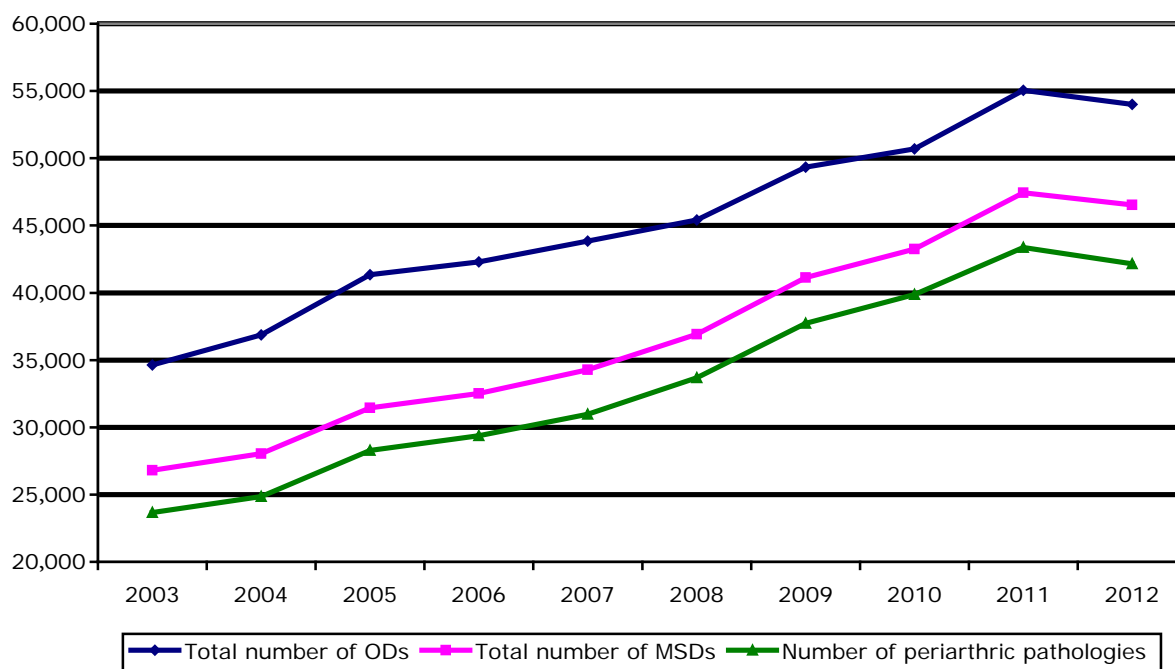
- (1) The "occupational diseases" special account is a pooling account interesting every company by means of the general expenses accounts. All expenses for occupational diseases contracted under specific circumstances are registered on this special account.

This is specifically the case for:

- occupational diseases having been medically observed for the first time between the 1<sup>st</sup> of January 1947 and the implementation date of the OD list these ODs are listed in;
- observed diseases in a company where there is no risk exposure;
- diseases caused by successive risk exposures within several local units of different companies, without the possibility of determining the one where the risk exposure caused the disease;
- are also included in this special account expenses for ODs as a consequence of asbestos dust inhalation and compensated in implementation of points II and III of Article 40 of the 23<sup>rd</sup> of December 1998 Act.

<sup>17</sup> Water, Gas, Electricity

### Number of recognized occupational diseases' trend for the 2003-2012 period



Note: The above data consider occupational diseases with days off work having given right to either the compensation of days off work, or a lump-sum compensation or a pension paid for the first time during the year.

MSD data consider five OD tables of the occupational injury insurance. Among MSDs, periarthric diseases due to specific repetitive gestures and work postures (table 57) are the most numerous.

### Number of recognized occupational cancers' trend

	2008	2009	2010	2011	2012
asbestos	1,433	1,567	1,473	1,535	1,579
excluding asbestos	216	227	266	277	323
<b>Total</b>	<b>1,649</b>	<b>1,794</b>	<b>1,739</b>	<b>1,812</b>	<b>1,902</b>
asbestos	87%	87%	85%	85%	83%
excluding asbestos	13%	13%	15%	15%	17%

Data expressed in figures and percentages

## 6. Financial data

In 2012, out of a global amount of receipts close to EUR 12.5 billion, the occupational injury insurance allocated 8.758 billion to social benefits (including the sums allocated to the FCAATA<sup>18</sup>). An amount of 1,806 million is devoted to solidarity transfer payments made by the occupational injury insurance to other social security schemes out of which EUR 790 million paid to the sickness fund to compensate occupational related claims which should have been taken care of by the occupational injury insurance (underreporting...), 315 million allocated for a dedicated asbestos victims' compensation<sup>19</sup>, 376 allocated to the mines scheme, etc. In the 2012 accounts, the amounts allocated to the FCAATA are integrated to the occupational injuries accounts. The balance is made of various charges including management expenses.

### Amounts compensation (except for asbestos - FCAATA) paid for occupational injuries

Amounts in million Euro

Year	in cash	in kind	for permanent disability	Total
2007	2,127	1,121	3,892	7,140
2008	2,245	1,085	3,944	7,273
2009	2,389	1,109	4,014	7,512
2010	2,501	1,151	4,073	7,725
2011	2,616	1,136	4,136	7,888
<b>2012</b>	<b>2,600</b>	<b>1,158</b>	<b>4,243</b>	<b>8,001</b>

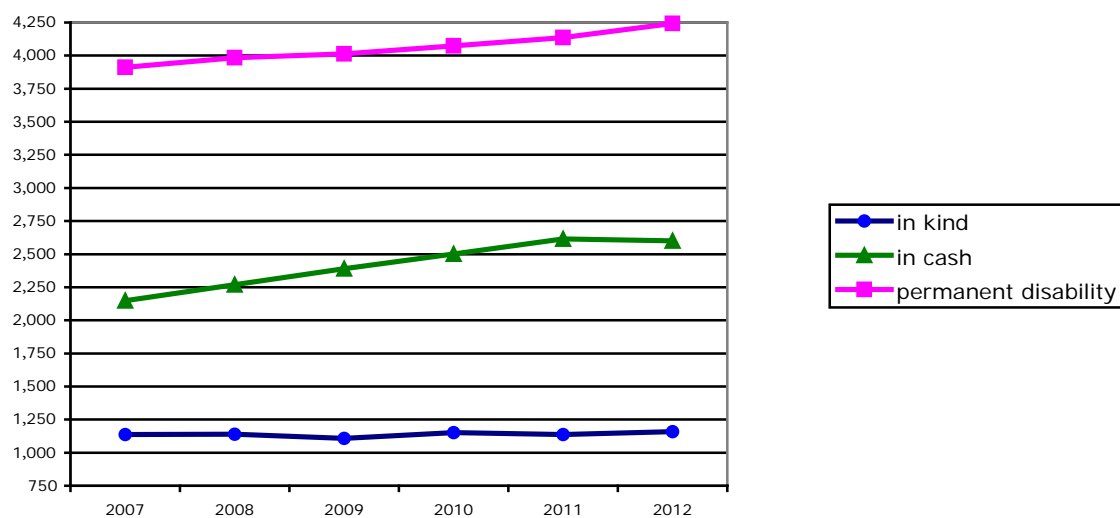
- The compensation in cash (daily allowance) is paid to workers by the occupational injury insurance fund during their temporary work disability. Its aim is to compensate the loss of earnings.
- Compensations in kind cover all medical, paramedical and pharmaceutical expenses and hospitalisation. These expenses are 100% taken in charge based on the applicable insurance fund's scale of charges. Prostheses and supplies are now taken in charge up to 150% of this scale of charges. In case of a hospital stay there is no minimal charge to pay. The insured person does not have to pay for these expenses: the insurance fund he/she is affiliated to will pay directly to the doctors, medical auxiliaries and hospitals all the incurred expenses (direct payment by insurers' system).
- Compensations for permanent disability may be paid as a capital (lump sum), when the permanent disability rate is less than 10%, or as a pension when this rate is equal or superior to 10%. In case of the beneficiary's death, eligible parties (spouse and dependant descendants and ascendants) get a pension. The occupational Injury Branch pays more than 1.3 million pensions of which 94% are paid to victims.

<sup>18</sup> Asbestos' workers early retirement scheme - Fonds de cessation anticipée des travailleurs de l'amiante

<sup>19</sup> Asbestos' victims compensation scheme - Fonds d'indemnisation des victimes de l'amiante



## Compensation amounts' (in million Euro) trend per type of compensation



## Detail of the permanent disability compensation

Amounts in million Euro

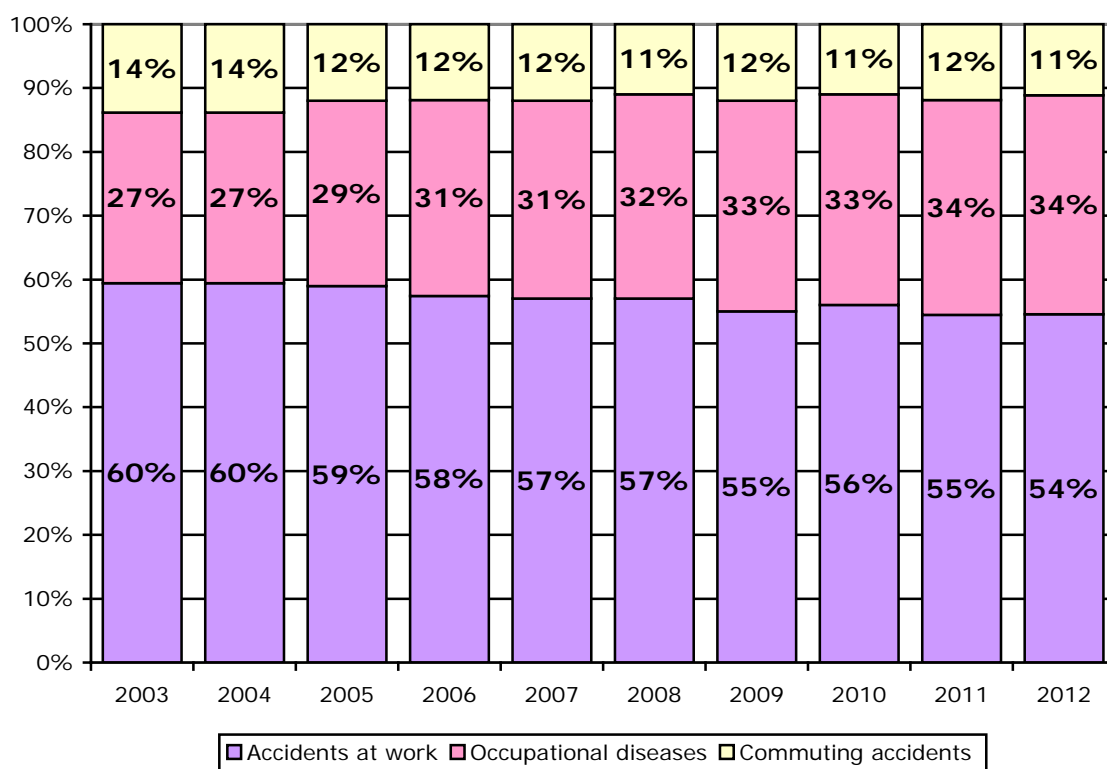
Year	Total	to insured workers	to eligible parties	as a lump sum
2007	3,912	2,750	1,008	154
2008	3,985	2,793	1,049	143
2009	4,014	2,817	1,053	144
2010	4,073	2,845	1,090	138
2011	4,136	2,889	1,109	138
<b>2012</b>	<b>4,243</b>	<b>2,950</b>	<b>1,154</b>	<b>138</b>

## Amounts' distribution per type of benefits expressed in percentage for 2012

Permanent disability pensions	38.6%
Pensions because of the victim's death	9.6%
Compensation paid in capital / as a lump sum	1.6%
Compensation in cash	37.5%
Medical expenses – compensation in kind	6.2%
Hospital expenses – compensation in kind	5.2%
Pharmaceutical expenses – compensation in kind	1.2%
	100.0%

Pensions and compensation in capital amount for nearly 49.8% of incurred expenses. Cash compensation amounts to 37.5% of the expenses against 12.6% for the compensation in kind.

**2003-2012 amounts' distribution trend between the three main types of occupational risks**



**Distribution per main types of occupational risks of the number of injuries and their costs for victims compensated for the first time in 2012**

Type of occupational risk	Part of occupational injuries	Cost incurred by the insurance
Accidents at work	79%	54%
Occupational diseases	10%	34%
Commuting accidents	12%	12%
<b>Total</b>	<b>100%</b>	<b>100%</b>



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