

Collection of European railway companies' accidents at work data

In July 2020 the sixth edition of the database of accidents at work was released. The 2019 data are based on the contributions received from 25 European railway Companies of 14 countries.

The list of the participating railway companies is as follows:

RAILWAY COMPANY	NATIONALITY	TYPE	ACTIVITY
ADIF	ES	IM	Infrastructure Manager
BANE NOR SF	NO	IM	Infrastructure Manager
BLS AG	CH	IM + RU	Integrated company
CFL	LU	IM + RU	Integrated company
CFL Cargo	LU	RU	Freight transport operator
CFR CALATORI	RO	RU	Passenger transport operator
DB AG	DE	IM + RU	Integrated company
Eurostar Intl	GB	RU	Passenger transport operator
INFRABEL	BE	IM	Infrastructure Manager
IP	PT	IM	Infrastructure Manager
IrishRail	IE	IM	Infrastructure Manager
MERCITALIA RAIL	IT	RU	Freight transport operator
NETWORK RAIL	GB	IM	Infrastructure Manager
NRIC	BG	IM	Infrastructure Manager
PRORAIL	NL	IM	Infrastructure Manager
RENFE Operadora	ES	RU	Passenger and freight transport operator
RFI	IT	IM	Infrastructure Manager
SBB CFF FFS	CH	IM + RU	Integrated company
Southeastern	GB	RU	Passenger transport operator
SZ	SI	IM + RU	Integrated company
TCDD	TR	IM	Infrastructure manager
TRENITALIA	IT	RU	Passenger and freight transport operator
ZSR	SK	IM	Infrastructure Manager

RAILWAY COMPANY	NATIONALITY	TYPE	ACTIVITY
ZSSK	SK	RU	Passenger transport operator
ZSSK CARGO	SK	RU	Freight transport operator

The data from all 25 participating railway companies has been collated and shared between those companies as a spreadsheet showing company identities and nationalities.

The full report is only available to participating companies.

The information received allows comparison of occupational safety performances and can be used for benchmarking accidents at work performance for all railway companies.

The useful indicators are the Incidence rate (number of accidents at work every 1000 workers) and Severity rate (number of days lost every 1000 workers); these indicators allows to compare the performances of different companies or the performance of the same company in different periods as the rates are independent from the number of workers.

Moreover we can use the received information to calculate the overall trend of all companies that contributed to provide their data through the Global Incidence Rate and Global Severity Rate.

You can see the rates from 2017 to 2019.

	2017	2018	2019
Global incidence rate [1]	20.4	18.5	23.1
Global severity rate [2]	682	621	834

[\[1\]](#) Global incidence rate = $(N^{\circ} \text{ accidents at work Company 1} + N^{\circ} \text{ accident at work Company 2} + \dots + N^{\circ} \text{ accident at work Company n}) \times 1000 / (\text{Average staff headcount Company 1} + \text{Average staff headcount Company 2} + \dots + \text{Average staff headcount Company n})$

[\[2\]](#) Global severity rate = $(N^{\circ} \text{ days lost Company 1} + N^{\circ} \text{ days lost Company 2} + \dots + N^{\circ} \text{ days lost Company n}) \times 1000 / (\text{Average staff headcount Company 1} + \text{Average staff headcount Company 2} + \dots + \text{Average staff headcount Company n})$