



## **CARE Accident Data**

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http://safetynet.swov.nl/



## Road accident data – The questions

#### Do we have the data we need?



Do we need the data we have?

## Road Accident Data Usefulness and availability of Data



#### CARE Database Community database on Accidents on the Roads in Europe

# All accidents & casualties recorded in EU-14 since 1991, in disaggregate form.

( $\approx$  11m road accidents,  $\approx$  14,5m road accident injuries,  $\approx$  410k road accident fatalities).

#### **Objectives**

Provide a powerful tool which would make it possible to:
i) Identify and quantify road safety problems in Europe
ii) Evaluate the efficiency of road safety measures
iii) Determine the relevance of Community actions
iv) Facilitate the exchange of experience in this field

#### SafetyNet Building the European Road Safety Observatory



#### WP1 - CARE Accident Data

#### **General Objective**

Enhancement and Exploitation of CARE accident data

Making CARE system a reference point for road safety analysis in Europe

> **Duration** 48 months





#### Partnership

- National Technical University of Athens (NTUA) EL
- Transport Research Laboratory (TRL) UK
- Centre d' Études Technique de l' Équipement du Sud-Ouest (CETE) FR
- Kuratorium für Verkehrssicherheit (KfV) AT
- Institute for Road Safety Research (SWOV) NL
- Road Directorate Ministry of Transport (DRD) DK
- Közlekedéstudományi Intézet Rt (KTI) HU
- Centrum dopravního výzkumu (CDV) CZ
- Institut Belge pour la Sécurité Routière (IBSR) BE
- Institut National de Recherche sur les Transports et leur Sécurité (INRETS) FR
- Agència de Salut Publica (ASPB) ES
- Vehicle Safety Research Centre (VSRC) UK



### Methodology

Task 1.1 Compatibility

improvement



### CARE Database -List of variables

**CAREPLUS 1** 

Accident severity Injury severity (person) Person class Age (person) Gender (person) Car passenger type Area type Motorway Junction Junction type Lighting conditions Natural lighting Weather conditions Vehicle type Collision type Month Day of month Day of week Hour of day

#### CAREPLUS 2

**Registration country** Nationality Vehicle age Driving licence age Region Province Speed limit Number of lanes Road surface condition Psychophysical Carriageway type Junction control Security equipment Road markings Movement pedestrian Manoeuvre driver Accident type Alcohol test Alcohol level Hit and run

/ Task 1.1 Compatibility improvement

#### Task 1.1 Compatibility improvement

#### The Estonian example

#### **Transformation of Estonian accident data**

- Transformation rules drawn up jointly with the Estonian experts.
- Collection of accident variables and values definitions according to the proposed templates.
- Final document and transformed data files sent to the European Commission.

Task 1.1 Compatibility improvement

### The Estonian example

	YEAR:	2006	NATIVE FOLDER NAME:	ENGLISH FOLDER NAME:
	COUNTRY:	Estonia	OSALEJA ANDMED	PARTICIPANT DATA
les			NATIVE VARIABLE NAME:	ENGLISH VARIABLE NAME:
cod			OS SÕIDUKI LIIK	TYPE OF VEHICLE
	VALUE NAME:	S and CODES	DEFINITION: TYPE OF VEHICLE	
	NATIVE	ENGLISH		
	Soiduauto	Car 1	Car is a motorvehicle with a permise	sible maximum mass not exceeding 3500 kg and having not
			trailer, registered vehicle, combined	o the driver's seat, such motor vehicles with a light ations of a motor vehicle in category B and a trailer
			which is not a light trailer, where	the maximum authorised weight of the trailer does not
			exceeded the unladen mass of the mo-	torvehicle and the permissible maximum mass of the road
			power-driven vehicle with at least	four wheels which is designed for the carriage of
			passengers or goods or to be drawn l	by vehicles, or for being used in specific work
			vehicles and vehicles which are com	of which is more than 25 kph. Three-wheeled power-driver nected to an electer conductor and not rail-borne are
			also deemed to be motor vehicles. M	opeds, motor-assisted cycles, tractors, self-propelled
			rail-borne vehicles and non-road mol	bile machinery are not deemed to be motor vehicles.
1				
	Buss	Bus 2	It has more than eight seats in add	ition to the driver's seat and used for the carriage of
			passengers, such motorvehicle with a	a light trailer. Requires driving licence D.
2	Haadie	Trailer 3	It is a vahicle designed to be draw	n by a nover-driven vehicle or a vehicle adapted
	Haay15	ITATICI J	thereto, registered vehicle, catego	ry 01, 02, 03, 04 (There are some problems, it is not
3			possible to use it alone)	
4	Hobuveok	Horsewagon 4	Horse-drawn vehicle	
	Jalgratas	Bicycle 5	It is any vehicle which has at leas	t two wheels and is propelled by the muscular energy of
			the person(s) on that vehicle, it may wheelchairs for disabled people. No	ay also have an engine. The term does not cover t registered vehicle, cyclists between 10 and 15 years
			of age shall hold a corresponding d	riving licence when cycling on a carriageway
5			respectively.	
	Mootorratas	Motorcycle 6	It is a two-wheeled power-driven vel	hicle with or without a sidecar which is equipped with
			which is more than 45 kph, register	ed vehicle, requires driving licence A or A1 cat.
			Minimum age for driver is 16 years.	
6				

## Estonian transformation rules

	CARE Estonian Transformation Rules
	Colored grey line when no variable or no value available in Estonian database
	A = Folder : Main Data
CARE	B = Folder : Participant Data
CARE	C = Folder : Casualty Data
	*** only for killed or injured passengers
CAREFLUS	Estonian Codification
Variables and Values	Folders [Variables (values)]
Vehicle Type	
Agricultural Tractor	B [vehicle type : Tractor (Traktor)]
Bus or Coach	B [vehicle type : Bus (Buss) or Trolleybus (Troll)]
Car	B [vehicle type : Car (Sõiduauto) or Mini van]
Car or Taxi	B [vehicle type : Car (Sõiduauto) or Mini van]
Moped	B [ vehicle type : Moped (Mopeed) or Scooter]
Motor Cycle	B [vehicle type : Motorcycle (Mootorratas)]
Lorry>=3.5 Tonnes	B [vehicle type : Trailer (Haagis) or Tram (Tramm) or Trailer or Timber lorry]
Lorry<3.5 Tonnes	B [vehicle type : Car (Sõiduauto) or Van]
Other Motor Vehicle	B [vehicle type : Special purpose vehicle]
Other Non Motor Vehicle	B [ vehicle type : Horsewagon (Hobuveok) or Tram (Tramm) or 16]
Pedal Cycle	B [vehicle type : Bicycle (Jalgratas)]
Road Tractor	B [vehicle type : Road tractor]
Road Tractor + semi-trailer	
Taxi	
Other	B [vehicle type : 17 or Self made vehicule or Digger excavator or Snow scooter]
Unknown	B [vehicle type : 18]

Task 1.1 Compatibility

improvement



### Necessity for Compatible Statistics

Task 1.4

Common data

Example of CARE data availability Variable: Alcohol level

	AT	BE	DK	ES	FI	FR	GB	GR	IE	Π	LU	NI	NL	РТ	SE
1991	25 %	46 %	19 %	31 %	24 %	30 %	35 %	30 %	82 %	21 %	36 %	33 %	89 %		21 %
1992	25 %	47 %	19 %	31 %	24 %	30 %	35 %	29 %	84 %	21 %	35 %	34 %	88 %		21 %
1993	25 %	46 %	19 %	31 %	25 %		34 %	28 %	84 %	21 %	34 %	34 %	87 %		20 %
1994	24 %	44 %	19 %	30 %	25 %		34 %	28 %	82 %	21 %	33 %	34 %	86 %		20 %
1995	25 %	43 %	19 %	30 %	24 %		35 %	29 %	38 %	21 %	33 %	33 %	86 %		20 %
1996	24 %	43 %	19 %	29 %	24 %		38 %	30 %	39 %	21 %	33 %	34 %	87 %		21 %
1997	24 %	42 %		29 %	24 %		40 %	32 %	40 %	20 %	33 %	33 %	86 %		20 %
1998	23 %	42 %		28 %	24 %		41 %	32 %	39 %	19 %	24 %	34 %	87 %	71 %	21 %
1999	23 %	39 %		28 %	24 %		42 %	33 %	39 %		24 %	32 %	86 %	85 %	21 %
2000	22 %	39 %	20 %	28 %	24 %		42 %	32 %	38 %		23 %	31 %	87 %	86 %	21 %
2001	22 %	38 %		28 %	24 %		41 %	40 %	35 %		26 %	31 %	87 %	85 %	22 %
2002	22 %			28 %	24 %		41 %	44 %	31 %		25 %	31 %	87 %	88 %	23 %
2003	22 %			28 %	24 %		24 %	50 %	32 %				86 %	87 %	23 %
2004	22 %			28 %	23 %	44 %	24 %								23 %
	90 - 10	0%		75 - 8	39%		50	) - 74%			25 -	49%			0 - 24%



#### Accident Data Availability (1)

	National Road Accident Database												
	Fatalities	Seriously Injured	Slightly Injured	Injured	Material Damages	Hospitalised	Other						
AT	$\checkmark$	$\checkmark$	$\checkmark$				$\checkmark$						
BE	$\checkmark$	$\checkmark$	$\checkmark$										
СН	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$						
CY	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
CZ	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
DE	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
DK	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$						
EE	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
EL	$\checkmark$	$\checkmark$	$\checkmark$										
ES	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
FI	$\checkmark$			$\checkmark$	$\checkmark$								
FR	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$							
GB	$\checkmark$	$\checkmark$	$\checkmark$										
HU	$\checkmark$	$\checkmark$	$\checkmark$			$\checkmark$	$\checkmark$						
IE	$\checkmark$	$\checkmark$	$\checkmark$										
LT	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$						
LV	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
MT	$\checkmark$	$\checkmark$	$\checkmark$			$\checkmark$	$\checkmark$						
NL	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$							
NO	$\checkmark$	$\checkmark$	$\checkmark$										
PL	$\checkmark$	$\checkmark$	$\checkmark$				$\checkmark$						
PT	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$						
SE	$\checkmark$	$\checkmark$	$\checkmark$			$\checkmark$							
SI	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$								
SK	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$						



) Task 1.4 Common data

collection framework

Data included in the National Road Accident Databases

Road accident database and collection form first introduction (year)

#### Accident Data Availability (2)

#### Definitions of seriously and slightly injured persons

Task 1.4

Common data

Countries	s Definitions of seriously injured											Definitio	ns of slig		Criteria of injury degree		
	Disability>25 hours	Disability > 42 hours	Hospitalised>24 hours	Hospilalised	Hospitalised+serious injuries	Serious injuries	Disability>24 hours,	or very serious injuries	Hospitalisation>7 days	+ serious injuries	Other than seriously injured	Disability < 42 hours	Slight injuries	Hospitalisation<7 days	+ slight injuries	Not hospitalised	
AT							√	1	√		✓			v	/		Disability+injuries
BE			✓								✓						Hospitalisation
СН	✓										✓						Disability
CY			✓		-			-			✓	-					Hospitalisation
CZ																	-
DE			✓								$\checkmark$						Hospitalisation
DK						✓							✓				Injuries
EE																	-
EL			✓								✓						Hospitalisation
ES			✓								✓						Hospitalisation
FI																	-
FR			✓								✓						Hospitalisation
GB					✓								✓				Hospitalisation+injuries
HU					✓								✓				Hospitalisation+injuries
IE					✓								✓				Hospitalisation+injuries
LT																	-
LV			$\checkmark$								$\checkmark$						Hospitalisation
MT						$\checkmark$							$\checkmark$				Injuries (Police judgement)
NL			$\checkmark$								$\checkmark$						Hospitalisation
NO				$\checkmark$												$\checkmark$	Hospitalisation
PL																	Hospitalisation+injuries
PT			$\checkmark$								$\checkmark$						Hospitalisation
SE			$\checkmark$								$\checkmark$						Hospitalisation
SK		$\checkmark$										$\checkmark$					Disability
SL																	(Doctor's judgement)
Total	1	1	10	1	3	2	1		1		12		5		1	1	

#### Accident Data Availability (3)

Actions to improve road accident analysis Number of Countries Proposing Improvement Action 5 4 3 2 1 0 Esablament rod sale measuring interme Data Bes acces bill what data are Balla copagilor anong altroite collection of exposure ters CO3-eRectiveness audies Featured to police Electronic forms Noretaining Noretinding

) Task 1.4 Common data

collection framework

### User Requirements (1)

Task 1.4

Common data

#### Number of road accident data stakeholders per road accident variable and country

		Austria	Greece	Netherlands	Hungary	Czech Republic	United Kingdom	
	Variables	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Av. Ratio
	Age	57%	64%	100%	91%	96%	100%	79%
	Sex	57%	56%	100%	64%	96%	100%	73%
	Injury severity	57%	60%	50%	91%	96%	100%	71%
	Person class	57%	64%	83%	27%	96%	100%	69%
ser	Alcohol/drug test	57%	56%	75%	91%	58%	100%	64%
ad L	Psychophysical circumstances	57%	52%	17%	55%	50%	0%	47%
R	Car passenger type	52%	44%	17%	27%	50%	100%	44%
	Driving license age	57%	44%	42%	45%	33%	0%	43%
	Nationality	52%	44%	50%	36%	29%	0%	41%
	Hit and run	52%	44%	17%	27%	21%	33%	35%
	Average	55%	53%	55%	55%	63%	63%	57%
	Vehicle type	57%	52%	92%	100%	67%	100%	68%
ide	Security equipment	57%	60%	67%	82%	38%	0%	55%
Veh	Vehicle age	57%	52%	17%	64%	38%	0%	45%
	Average	57%	55%	58%	82%	47%	33%	56%
	Speed limits	52%	48%	83%	82%	83%	100%	67%
	Road type	48%	48%	83%	82%	83%	100%	66%
	Area type	48%	64%	83%	64%	83%	33%	66%
	Road surface conditions	52%	36%	83%	73%	71%	67%	59%
ent	Region	48%	60%	92%	9%	67%	67%	57%
muc	Junction control	48%	40%	75%	73%	63%	67%	56%
nvirc	Road markings	48%	40%	75%	55%	75%	0%	55%
ad e	Junction type	48%	40%	75%	55%	63%	67%	54%
Å	Number of lanes	48%	36%	75%	55%	67%	67%	54%
	Carriageway type	48%	36%	67%	55%	63%	67%	52%
	Lighting conditions	52%	48%	83%	73%	25%	67%	51%
	Weather conditions	52%	36%	83%	64%	25%	67%	47%
	Average	49%	41%	79%	57%	64%	64%	57%
9	Accident type	52%	60%	92%	91%	79%	100%	71%
type	Collision type	52%	60%	92%	82%	79%	100%	70%
dent	Vehicle manoeuvre	52%	56%	75%	55%	38%	67%	53%
Acci	Pedestrian movement	48%	56%	83%	73%	21%	67%	51%
`	Average	51%	57%	83%	70%	54%	83%	61%

### User Requirements (2)

Common data

#### Most important road accident data stakeholders according to the extent and frequency of use of road accident variables

		-		R	ROAD	USEF	2				V	EHICL	E					RO	AD E	NVIR	ONME	ENT					AC	CIDE	<u>יד דא</u>	YPE	ROAD	SER CHA	RACTER	ISTICS
National Road Accident Data Users	Person class	Age	Sex	Injury severity	Nationality	Driving license age	Alcohol/drug test	Psychophysical circumstances	Car passenger type	Hit and run	Vehicle type	Vehicle age	Security equipment	Area type	Road type	Junction type	Junction control	Carriageway type	Lighting conditions	Weather conditions	Speed limits	Number of lanes	Road surface conditions	Road markings	Region	Accident location (kilometric)	Collision type	Pedestrian movement	Accident type	Vehicle manoeuvre	Data base importance for the user	User Role for Road Safety	Intensity of use of the data base	Potential data source for the data base
												-																						
1. National Public Administration																																		
Ministry of Transport	Н	Н	Н	Н	Н	Н	Н	Н	HI	H	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	н		Н	Н	н	Н	Н	Н	Н	Н
Ministry of Public Works	Н	Н	Н	Н	Н	Н	н				Н		Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	H	Н	Н
Ministry of Public Order	Н	Н	Н	Н	Н	Н	Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
Ministry of Interior	Н	Н	Н	Н	Н	Н	Н	Н	ΗI	H	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н
Statistical Office	Н	Н	Н	Н	Н	Н	Н	Н	ΗI	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н
Local Authorities	Н	Н	Н	Н	Н	Н	Н	Н	ΗI	H	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н
2. Accident Directly Involved Bodies																																		
Police	Н	Н	Η	Η	Н	Η	Н	Н	ΗI	H	Н	Η	Н	Н	Н	Η	Η	Η	Н	Η	Н	Н	Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н
4. Research and Scientific Institutions											_																							
Public Institutes	Н	Н	Н	Н	Н	Н	Н	Н	ΗI	H	Н	Η	Н	Н	Н	Н	Н	Η	Н	Η	Н	Н	Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н
Private Institutes	Н	Η	Η	Η	Н	Н	Н	Н	ΗI	H	Н	Η	Η	Н	Н	Η	Η	Η	Η	Η	Н	Н	Η	Н	Н		Н	Н	Н	Н	Н	Н	Н	
Universities	Η	Η	Η	Η	Η	Η	Н	Н	H	H	Η	Η	Н	Н	Η	Η	Η	Η	Η	Η	Η	Η	Η	Η	Н		Н	Η	Н	Η	Н	Н	Н	
Scale of significance: H = high importance L = low importance - Not used																																		

### **Next Steps**

Common data ( Dilection framework

 Analysis of a specific group of variables included in the national collection forms by each partner, according to the following distribution:

TRL	KfV	SWOV	NTUA
Vehicle related variables	Person	Accident type and	Accident
	related	manoeuvre related	related
	variables	variables	variables

- Development of the common framework for road accident data collection.
- Examination of the proposed framework by the Member States, joint discussion under the coordination of the European Commission and finalisation of the proposal.



#### Methodology



**Development of common methodology** 

**Execution of national studies on underreporting** 

Elaboration of national underreporting coefficients Update of the Glossary with accident data definitions

#### Literature Review

Task 1.5 Addressing

underreporting

- Descriptions of experience on the underreporting issue in the eight countries through technical literature review:
  - a) Linking accident and medical databases
  - b) 'Capture-recapture' techniques.
- Execution of studies in eight EU countries (CZ, EL, ES, FR, HU, NL, AT, UK) to apply common methodology to accident data from police and hospitals.



Distribution of non-fatal casualties according to road trauma registry and police files in the Rhône county - France, 1997–2001

## Identification of underreporting level

Task 1.(

́Addressing underтерогfing

Developed methodology to identify the underreporting level:

A representative sample of hospitals that receive accident victims will be selected

Medical data from road accidents will be collected for a certain period of time The medical data collected will be entered in the project database

The medical data will be cross-checked regularly with the police accident records

Definition of underreporting level

### Main issues

Task 1.5 Addressing

underreporting

- Approvals from medical authorities. Number of hospitals and length of data collection period depend upon funding available.
- Regular visits to hospitals. Sifting records to identify people injured in road accidents. Examine variation according to type of accident.
- Identification based on: casualty's age, gender, travel mode and accident circumstances (date, time, location). Allowance for minor errors in the recording of personal details (i.e. small discrepancies in age).
- Cross-checking according to "catchment" area of each hospital.
- Admission of the casualty to the hospital, length of treatment in medical data and AIS<sup>1</sup> score for each body region.
   <sup>1</sup>Abbreviated Injury Scale, ranging from 1 for minor injuries to 6 for injuries that are currently untreatable

#### Matrices

Task 1.5 Addressing underreporting

#### Development of appropriate matrices

The first 3-dimensional matrix incorporates the length of stay information:



The second 3-dimensional matrix incorporates MAIS (the maximum of the AIS scores per body region): Matrix 2



#### Next steps

Addressing Underreporting

- Execution of the national studies on underreporting in eight countries will be completed.
- Analysis of data to develop underreporting coefficients relating to alternative bases: hospitalised casualties (or perhaps with a minimum length of stay) and MAIS.
- Investigation of strengths and weakness of alternative approaches.
- Elaboration of a common definition to be used when estimating the actual number of accidents and casualties: "hospitalised person".
- Adoption and finalisation of the common methodology/coefficients/common definition for future use.





### Risk/Exposure Data

/ Task 1.2 Links with other

data files



Road safety performance in EU Member States: Car occupant **fatality rate** per **billion vehicle-kilometers** in 2002 (Source: ETSC 2006)

#### Road Safety Performance Indicators

- Complementary to existing road accident data to measure changes in the operational conditions of traffic system.
- Better understanding of road accidents and underlying processes.
- Enable policy interventions monitoring and facilitate decision making.





/ Task 1.2 Links with other data files





### Methodology

Task 1.3 Statistical reports and analysis notes





#### **Databases Evaluation**

#### Evaluation of several existing databases: (FARS, CARE, UN/ECE, WHO, EUROSTAT, IRTAD, ECMT).



#### Annual Statistical Report 2005



#### Annual Statistical Report 2005

based on data from CARE

#### SAFETYNET

Building the European Road Safety Observatory Workpackage 1 – Task 3 Deliverable No 2:

Authors: KfV Austria NTUA Greece SWOV The Nathalfands TRL United Kingdom Workpackage Leader NTUA Greece Task Leader KfV Austria Contract Number: Project Number: Acronym: Version: Date

: TREN-04-FP6TR-SI2 395465/506723 1.3.2 SAFETYNET No2 31/10/2005 Basic characteristics of road accidents in the 14 member states of the European Union (except Germany) for the period 1994-2003.

Task 1.3 Statistical reports

and analysis notes)

- Selection of basic characteristics of fatal road accidents in the EU member.
- 55 Tables and 20 figures with the most interesting combination of road accident data

#### **DOWNLOAD IT NOW**

http://www.europa.eu.int/comm/transport/care/studies

Transport

### Basic Fact Sheets – Example:Motorways

**DOWNLOAD IT NOW** 

http://www.europa.eu.int/comm/transport/ care/studies

Traffic Safety Basic Facts 2005 Motorways More than 25,100 persons were killed in traffic accidents on motorways, in 14 European Union countries within the decade 1994 - 2003. This number represents about 7.4% of all traffic accident fatalities in those countries. An increase of 2,8% in traffic accident fatalities on motorways is An increase of 2,8% recorded in 2003' compared to the 2.405 respective fatalities in In traffic actidient. 1994, whereas the total traffic accident fatalities were significantly fatalities on reduced by almost 19% in the 14 European Union countries within motorways is the same decade. observed during the decade 1994 - 20031 The fact that the motorway fatality wend does not follow the related overall road fatality brend can be explained by the significant increase of the length of the motorway network in the 14 EU. countries by almost 24% between 1994 (34,086 km of motorways) and 2003' (42.097 km). Figure 1: 80-14 Patalities evolution Evolution 1994 - 2003 2780 141.11 Motorway fatality 2720 93000 trand does not token 103x20.00 the relates overall. 2000 road fatality trend, due 300.00 2000 10.00 to the significant. 3820 50018 Instance of the 1977 24018 motoriway: network 300 length in the 14 -280 201 Compegn countries by 1995 1000 2461 1940 5864 1000 amost 24% since 1204 2012 1004 - Province and provide it DESCRIPTION OF A REAL PROPERTY OF A Eale of pathy July 2022 101 1001 DV3-3010 Y631 () Ironsport: Raffelg Hert | Propert work on over the spree Continuation, Other and the end is may and Therapol.

Task 1.3 Statistical reports and analysis notes

#### **Basic Fact Sheets 2005**

Task 1.3

Statistical reports and analysis notes



#### **Basic Fact Sheets**

Task 1.3 Statistical reports

and analysis notes)





#### Next Steps

Task 1.3 Statistical reports and analysis notes

- New version of an Annual Statistical Report and eleven Basic Fact Sheets (11) will be prepared by 2007.
- Preparation of a CARE user handbook "Guide to CARE analysis".
- Preparation of a set of Aggregate Data Files.
- Outputs will progressively be enhanced by other SafetyNet results. Data for all 25 countries will be included, as soon as the related work is completed.
- All these documents are available at the website of the European Road Safety Observatory (<u>www.erso.eu</u>).

#### WP 1 Care Accident Data

