First Aid Knowledge of Car Drivers
(Survey conducted in 14 European Countries)

- Summary of Results -

Cooperation
Automobile Club Association & Red Cross

March 19th, 2013
Survey design:

Methodology: Face-to-face interview

Target group: Car drivers

Sample: A total of 2786 car drivers in 14 countries, 200 car drivers per country

Survey period: May to August 2012

Implementation: Cooperation of national automobile clubs & Red Cross Societies

Participating countries: Number of interviews conducted:

<table>
<thead>
<tr>
<th>Country</th>
<th>Interviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>200</td>
</tr>
<tr>
<td>Denmark</td>
<td>200</td>
</tr>
<tr>
<td>Germany</td>
<td>200</td>
</tr>
<tr>
<td>Finland</td>
<td>197</td>
</tr>
<tr>
<td>France</td>
<td>195</td>
</tr>
<tr>
<td>Italy</td>
<td>200</td>
</tr>
<tr>
<td>Croatia</td>
<td>200</td>
</tr>
<tr>
<td>Austria</td>
<td>200</td>
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<tr>
<td>Portugal</td>
<td>200</td>
</tr>
<tr>
<td>Switzerland</td>
<td>200</td>
</tr>
<tr>
<td>Serbia</td>
<td>200</td>
</tr>
<tr>
<td>Spain</td>
<td>200</td>
</tr>
<tr>
<td>Slovenia</td>
<td>200</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>194</td>
</tr>
</tbody>
</table>

Total: 2786 interviews
Overall European Results (with highest/lowest country score)

Europe:

Question 1: When did you last attend a first aid course?

32.1%: Never  
36.0%: Up to 5 years ago  
9.5%: Up to 10 years ago  
22.4%: More than 10 years ago

Country comparison:

Never attend a first aid course:  
Portugal (74.0%)  
Italy (61.5%)  
Spain (51.0%)  
Belgium (49.5%)  
France (29.2%)  
Finland (26.9%)  

1:1 correspondence with those countries where obtaining the national driving licence does not require passing a first aid course

Highest (↑)/ lowest (↓) country score:

Up to 5 years ago:  
↑ Denmark (63.5%), Germany (47.0%)  
↓ Portugal (16.0%), Belgium (20.5%)

Up to 10 years ago:  
↑ Austria (23.5%), Slovenia (22.5%)  
↓ Portugal (2.5%), Italy 6.0%

More than 10 years:  
↑ Croatia (50.0%), Switzerland (45.0%)  
↓ Portugal (7.5%), Italy (9.5%)
Question 2: Why did you attend the course?

34.8%: It was part of my driving training/exams
40.6%: For professional reasons
27.3%: Personal interest

Country comparison:

Driving training: ↑ Croatia (90.4%), Slovenia (74.9%), Germany (61.6%)
↓ Belgium (1.0%), Finland (2.1%), France + Portugal (5.8%)

Professional reason: ↑ Finland + Portugal (75.0%), Belgium (69.3%), Denmark (65.8%)
↓ Croatia (23.4%), Slovenia (25.1%), Germany (25.8%)

Personal interest: ↑ France (46.4%), Italy (42.9%), Belgium (32.7%)
↓ Croatia (1.5%), Slovenia (3.4%), Serbia (11.9%)

By age group:

<table>
<thead>
<tr>
<th></th>
<th>18 - 25</th>
<th>26 - 59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td>part of driving training/exams</td>
<td>50.2%</td>
<td>40.2%</td>
<td>33.9%</td>
</tr>
<tr>
<td>Professional reason</td>
<td>36.5%</td>
<td>44.8%</td>
<td>43.7%</td>
</tr>
<tr>
<td>Personal interest</td>
<td>17.0%</td>
<td>17.4%</td>
<td>26.4%</td>
</tr>
</tbody>
</table>

Question 3: Do you feel confident to deliver first aid in case of accident?

65.8%: Yes
20.0%: No
14.2%: I don’t know

Conclusion:
⇒ 34.2% are either unable or do not feel confident enough to deliver first aid in an emergency/ would not (be able to) deliver first aid in an emergency.

Country comparison:

Yes: ↑ Finland (85.4%), Austria (80.2%), Germany (72.6%)
↓ Slovenia (40.2%), Switzerland (47.6%), Serbia (54.2%)

No: ↑ Spain (34.7%), Slovenia (32.4%), Portugal (30.8%)

I don’t know: ↑ Czech Rep. (32.2%), Slovenia (27.4%), Serbia (25.6%)

By age group:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 - 25</td>
<td>65.4%</td>
<td>18.0%</td>
<td>16.6%</td>
</tr>
<tr>
<td>26 - 59</td>
<td>62.2%</td>
<td>21.6%</td>
<td>16.0%</td>
</tr>
<tr>
<td>60+</td>
<td>59.1%</td>
<td>21.7%</td>
<td>19.3%</td>
</tr>
</tbody>
</table>
Question 4: You are the first to arrive at the scene of an accident in which someone was injured. What do you do?

82.2% do not know which steps to take being first to arrive at the accident scene (emergency response chain). A low 18% provided all of the 4 answers below.

35.4%: Keep my own safety in mind
46.2%: Secure the accident scene
68.9%: Make an emergency call
45.3%: Provide first aid

=> Multiple responses were possible.

By age group:

<table>
<thead>
<tr>
<th>All answers:</th>
<th>18 - 25</th>
<th>26 - 59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20.4%</td>
<td>17.9%</td>
<td>15.6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>18 - 25</th>
<th>26 - 59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep my own safety in mind</td>
<td>33.8%</td>
<td>34.4%</td>
<td>29.4%</td>
</tr>
<tr>
<td>Secure the accident scene</td>
<td>53.8%</td>
<td>51.2%</td>
<td>46.0%</td>
</tr>
<tr>
<td>Make an emergency call</td>
<td>77.7%</td>
<td>70.4%</td>
<td>72.6%</td>
</tr>
<tr>
<td>Provide first aid</td>
<td>58.1%</td>
<td>49.1%</td>
<td>48.9%</td>
</tr>
</tbody>
</table>

=> Knowledge decreased with increasing age

Country comparison:

Own safety:.: 
↑ Germany (52.5%), Croatia (45.0%), Slovenia (44.5%) 
↓ Czech Rep. (16.5%), Austria (18.5%), Belgium (22.0%)

Secure the accident scene: 
↑ Germany (72.5%), Austria (70.0%), Finland (65.5%) 
↓ Italy (14.5%), Spain (20.5%), Belgium (32.5%)

Emergency call: 
↑ Kroatien (95%), Belgien (90%), Österreich (88.5%) 
↓ Spanien (42.5%), Italien (54%), Serben (55.5%)

Provide first aid: 
↑ Austria (84.5%), Germany (74.5%), Croatia (73.0%) 
↓ Italy (17.0%), Span (22.0%), France (39.0%)

All answers: 
↑ Germany (32.5%), Croatia (27.0%), Portugal (26.5%) 
↓ Italy (2.5%), Spain (5.5%), Czech Rep. (10.8%)

No answers: 
↑ Spain (17.0%), Denmark (13.5%), Portugal (12.5%)
Question 5: What is the rescue services’ emergency number?

57.7%: The rescue services’ number is: 112
40.3%: Respondents indicated a national emergency number

⇒ 42.3% of Europeans do not know the European emergency number 112.
⇒ 10.7% do not know either the European or a national rescue number.

(Multiple responses were possible)

By age group:

<table>
<thead>
<tr>
<th></th>
<th>18-25</th>
<th>26-59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>61.8%</td>
<td>59.4%</td>
<td>53.8%</td>
</tr>
<tr>
<td>Nation. emergency number</td>
<td>40.5%</td>
<td>42.0%</td>
<td>39.0%</td>
</tr>
</tbody>
</table>

Country comparison:

Respondants indicated the 112 number:

↑ Finland (97.0%), Portugal (94.5%), Denmark (91.5%)
↓ Austria (7.0%), Serbia (8.5%), Italy (14.5%), Switzerland (18.0%)
Question 6: How do you check the victim’s condition?

28.3% know how to check the victim’s condition (providing all of the 3 answers below).

=> 71.2% do not know how to check the victim’s condition.

74.3%: Check victim’s level of consciousness/responsiveness
57.4%: Check for breathing
44.8%: Check for severe bleeding/injuries
28.8%: All answers

By age group:

<table>
<thead>
<tr>
<th>Check for</th>
<th>18 - 25</th>
<th>26 - 59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td>consciousness/responsiveness</td>
<td>72.5%</td>
<td>75.3%</td>
<td>63.7%</td>
</tr>
<tr>
<td>for breathing</td>
<td>66.2%</td>
<td>61.4%</td>
<td>64.8%</td>
</tr>
<tr>
<td>for severe bleeding/injuries</td>
<td>50.7%</td>
<td>43.9%</td>
<td>49.2%</td>
</tr>
<tr>
<td>All answers</td>
<td>31.8%</td>
<td>28.2%</td>
<td>25.0%</td>
</tr>
</tbody>
</table>

Country comparison:

Check (for)...
Consciousness/responsiveness: ↑ Belgium (88.1%), Germany (81.1%), Italy (80.3%) ↓ Spain (48.0%), Serbia (57.5%), Czech Rep. (65.8%)
Breathing: ↑ Finland (91.0%), Croatia (84.8%), Portugal (82.7%) ↓ Italy (22.4%), Spain (29.6%), Belgium (46.5%)
Severe bleeding/injuries: ↑ Portugal (73.1%), Croatia (69.5%), Germany (60.5%) ↓ Spain (9.2%), Italy (14.5%), Denmark (32.1%)
All answers: ↑ Portugal (53.8%), Croatia (45.2%), Finland (39.6%),
No answer: ↑ Spain (32.7%)
Question 7: The victim is unconscious and not breathing anymore. What do you do?

34.4%: Lay the victim on his/her back
75.1%: Initiate CPR (Cardiopulmonary Resuscitation)
28.7%: All answers*

⇒ 71.3% do not know how to assist a victim who is unconscious and not breathing anymore.*

By age group:

<table>
<thead>
<tr>
<th></th>
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<th>26 - 59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lay the victim on his/her back</td>
<td>36.4%</td>
<td>32.0%</td>
<td>36.3%</td>
</tr>
<tr>
<td>Initiate CPR</td>
<td>75.9%</td>
<td>60.5%</td>
<td>74.5%</td>
</tr>
<tr>
<td>All answers</td>
<td>30.3%</td>
<td>27.1%</td>
<td>30.3%</td>
</tr>
</tbody>
</table>

Country comparison:

Lay the victim on his/her back:
mlin
↑ Portugal (53.8%), Czech Rep. (47.0%), Germany (46.3%)
↓ Austria (7.8%), Spain (14.3%), Belgium (27.7%)

Initiate CPR:
mlin
↑ Finland (91.0%), Slovenia (90.5%), Czech Rep. (88.6%)
↓ Spain (44.9%), Croatia (64.0%), Italy (65.8%)

Both answers:
mlin
↑ Portugal (53.8%), Germany (41.1%), Croatia (40.6%)
↓ Austria (7.3%), Italy (9.2%), Spain (11.2%)

No answers:
mlin
↑ Spain (52.0%), Croatia (31.0%), Belgium (29.7%)
Question 8: The victim has a severe bleeding arm wound. What do you do?

29.7%: Lay down the victim on his/her back
79.6%: Apply a pressure bandage directly on the wound or stop bleeding….
24.5%: All answers*

⇒ 75.5% do not know how to properly assist a victim who has a severely bleeding wound (none of the answers above).*

By age group:

<table>
<thead>
<tr>
<th>Age Group</th>
<th>No answer</th>
<th>Both answers</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 - 25</td>
<td>14.6%</td>
<td>25.4%</td>
</tr>
<tr>
<td>26 - 59</td>
<td>15.1%</td>
<td>18.2%</td>
</tr>
<tr>
<td>60+</td>
<td>24.8%</td>
<td>22.6%</td>
</tr>
</tbody>
</table>

Country comparison:

Lay down the victim.: ↑ France (43.5%), Portugal (36.5), Czech Rep. (35.6%) ↓ Austria (1.0%), Italy (3.9%), Belgium (14.9%)

Apply a pressure bandage.: ↑ Finland (96.5%), Denmark (96.2%), Czech Rep. (94.6%) ↓ Portugal (57.7%), Belgium (59.4%), Austria (65.1%)

Both answers: ↑ France (38.4%), Czech Rep. (34.9%), Germany (30.5%) ↓ Austria (1.0%), Italy (1.3%), Serbia (2.4%)

No answers: ↑ Belgium (38.6%), Croatia (35.5%), Austria (34.9%)
Practical exercises (Question 9 and 10):

Question 9: The victim is unconscious, but breathing normally. Place the victim in the recovery position.

69.8%: Lay down the victim on the ground and roll the person onto his/her side
42.4%: Check and maintain an open airway
36.5%: All answers*

⇒ 63.5% do not know how to perform a recovery position.*

By age group:

<table>
<thead>
<tr>
<th></th>
<th>18 - 25</th>
<th>26 - 59</th>
<th>60+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lay down the victim on the ground and roll the person onto his/her side</td>
<td>71.7%</td>
<td>67.7%</td>
<td>66.4%</td>
</tr>
<tr>
<td>Check and maintain an open airway</td>
<td>49.8%</td>
<td>45.8%</td>
<td>42.0%</td>
</tr>
<tr>
<td>All answers</td>
<td>44.9%</td>
<td>35.1%</td>
<td>35.8%</td>
</tr>
</tbody>
</table>

Country comparison:

Lay down the victim on the ground and roll the person onto his/her side:
  ↑ Croatia (86.8%), Czech Rep. (85.9%), Germany (81.1%)
  ↓ Spain (39.8%), Portugal (40.4%), Austria (52.6%)

Check and maintain an open airway:
  ↑ Slovenia (72.1%), Croatia (64.0%), Finland (59.0%)
  ↓ Italy (17.1%), Serbia (23.4%), Belgium (23.8%)

Both answers:
  ↑ Croatia (62.9%), Finland (50.0%), Czech Rep. (47.7%)
  ↓ Italy (7.9%), Serbia (13.2%), Spain (18.4%)

No answers:
  ↑ Portugal (53.8%), Austria (47.4%), Belgium (40.6%)
Question 10: The victim is not breathing anymore. Perform Cardiopulmonary Resuscitation (CPR).

50.9%: Place the heel of one hand on the centre of the casualty’s chest and place ...
41.4%: Compress the victim’s chest 30 times
39.1%: Tilt the head, lift the chin and give two rescue breaths
34.1%: Continue until a professional rescuer takes over
19.7%: All answers

⇒ 80.3% are unable to properly perform Cardiopulmonary Resuscitation (CPR).

By age group:

<table>
<thead>
<tr>
<th></th>
<th>All answers</th>
<th>No answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 - 25</td>
<td>13.3%</td>
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</tr>
<tr>
<td>60+</td>
<td>10.5%</td>
<td>34.7%</td>
</tr>
</tbody>
</table>

Country comparison:

Place the heel of ..: ↑ Croatia (72.1%), Slovenia (63.7%), France (62.3%)
↓ Belgium (27.7%), Switzerland (28.7%), Italy (30.3%)

Compress..30 times: ↑ Slovenia (64.2%), Denmark (60.9%), France (52.9%)
↓ Spain (14.3%), Croatia (18.8%), Serbia (21.6%)

..two rescue breaths: ↑ Denmark (57.6%), Czech Rep. (56.4%), Slovenia (53.6%)
↓ Spain (16.3%), Austria (18.8%), Italy (21.1%)

Continue until..: ↑ Czech Rep. (75.8%), Slovenia (60.3%), France (48.6%)
↓ Spain (10.2%), Serbia (16.8%), Italy (17.1%)

All answers: ↑ Czech Rep. (38.9%), France (31.2%), Finland (30.6%)
↓ Spain (5.1%), Croatia (7.6%), Serbia (7.8%)
Graphics / Europe:

Never attended a First Aid course
(Question 1)

Part of driving licence training
(Question 2)
Graphics / Europe:

**Self perception of delivering First Aid**
(Question 3)

- Finland: 85.4%
- Austria: 80.2%
- Germany: 72.8%
- Denmark: 68.5%
- France: 66.9%
- Sweden: 65.8%
- Belgium: 63.4%
- Italy: 62.3%
- Portugal: 61.5%
- Czech Rep.: 58.4%
- Spain: 57.1%
- Croatia: 55.3%
- Slovenia: 64.2%
- EUROPE: 65.8%

**Knowledge of emergency response chain**
(Question 4)

- Germany: 32.5%
- Croatia: 27.0%
- Portugal: 26.5%
- Finland: 26.4%
- France: 22.1%
- Denmark: 21.5%
- Switzerland: 19.5%
- EUROPE: 17.8%
- Slovenia: 17.0%
- Austria: 15.0%
- Belgium: 14.0%
- Serbia: 11.5%
- Czech Rep.: 10.8%
- Spain: 5.5%
- Italy: 2.5%
Knowledge of European emergency rescue number 112
(Question 5)

Knowledge how to check the victim's condition
(Question 6)
Knowledge of CPR (Theory) (Question 7)

Knowledge of properly assist a victim with severe bleeding (Question 8)
Knowledge of CPR (Theory & Practice) (Question 7 and 10)