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| Cluster 1: Training status and attitude towards training. | | | | | | | | | | | | | | | | | | | | |
|  | | **All** | **Education cycles** | | | | | | | **Age** | | | | | | | | | | |
|  | |  | Primary education | Secondary education | | | | Higher education | | <20 | | 21-30 | | 31-40 | | 41-50 | | 51-60 | | >61 |
|  | |  |  | 1st- grade | 2nd grade | 3th grade | |  | |  | |  | |  | |  | |  | |  |
| Training status | |  |  |  |  |  | |  | |  | |  | |  | |  | |  | |  |
| 1/ Previous CPR training | | 2539/4273 (59%) | 589/856 (69%) | 495/845 (59%) | 479/861 (56%) | 484/856 (57%) | | 492/855 (58%) | | 15/27 (56%) | | 778/ 1153 (68%) | | 751/1201 (63%) | | 632/1140 (55%) | | 342/704 (49%) | | 21/48 (44%) |
| 2/ Where and how have the respondents got their CPR training? | | | | | | | | | | | | | | | | | | | | |
| Primary education | | 80/4273 (3%) | 3% | 2% | 4% | 3% | | 4% | | 0% | | 4% | | 4% | | 3% | | 1% | | 0% |
| Secondary education | | 348/4273 (14%) | 9% | 13% | 15% | 19% | | 13% | | 20% | | 17% | | 19% | | 8% | | 7% | | 10% |
| Higher education | | 642/4273 (25%) | 31% | 29% | 26% | 19% | | 21% | | 40% | | 43% | | 20% | | 18% | | 11% | | 10% |
| Outside school (Red Cross, private organisation, work, other, …) | | 1469/4273 (58%) | 57% | 56% | 54% | 60% | | 63% | | 40% | | 37% | | 57% | | 72% | | 80% | | 81% |
| 3/ Time since previous CPR training? | | | | | | | | | | | | | | | | | | | | |
| Between 0-6 months | | 200/4273 (8%) | 8% | 7% | 10% | 8% | | 7% | | 36% | | 9% | | 7% | | 8% | | 7% | | 5% |
| Between 7-12 months | | 198/4273 (8%) | 10% | 7% | 7% | 7% | | 9% | | 21% | | 11% | | 6% | | 6% | | 7% | | 10% |
| Between 13-24 months | | 245/4273 (10%) | 10% | 10% | 11% | 9% | | 9% | | 7% | | 16% | | 8% | | 7% | | 4% | | 14% |
| More than 2 years | | 1896/4273 (75%) | 73% | 76% | 72% | 76% | | 76% | | 36% | | 64% | | 80% | | 79% | | 82% | | 71% |
| Attitude towards training | | | | | | | | | | | | | | | | | | | | |
| 4/ If you had no previous CPR training, what is the reason? | | | | | | | | | | | | | | | | | | | | |
| Little interest | | 289/1734 (17%) | 24/267 (9%) | 55/350 (16%) | 63/382 (17%) | 84/372 (23%) | | 63/363 (17%) | | 1/12 (8%) | | 70/375 (19%) | | 68/450 (15%) | | 79/508 (16%) | | 67/362 (19%) | | 4/27 (15%) |
| Little time | | 645/1734 (37%) | 112/267 (42%) | 137/350 (39%) | 143/382 (37%) | 127/372 (34%) | | 126/363 (35%) | | 5/12 (42%) | | 143/375 (38%) | | 189/450 (42%) | | 191/508 (38%) | | 113/362 (31%) | | 4/27 (15%) |
| Not sure where to attend course | | 222/1734 (13%) | 36/267 (14%) | 43/350 (12%) | 47/382 (12%) | 49/372 (13%) | | 47/363 (13%) | | 3/12 (25%) | | 57/375 (15%) | | 48/450 (11%) | | 70/508 (14%) | | 39/362 (11%) | | 5/27 (19%) |
| Costs | | 11/1734 (1%) | 6/267 (2%) | 0/350 (0%) | 0/382 (0%) | 3/372 (1%) | | 2/363 (1%) | | 0/12 (0%) | | 3/375 (1%) | | 2/450 (0%) | | 1/508 (0%) | | 5/362 (1%) | | 0/27 (0%) |
| No answer | | 567/1734 (33%) | 89/267 (33%) | 115/350 (33%) | 129/382 (34%) | 109/372 (29%) | | 125/363 (34%) | | 3/12 (25%) | | 102/375 (27%) | | 143/450 (32%) | | 167/508 (33%) | | 138/362 (38%) | | 14/27 (52%) |
| 5/ Do you want more training? | | | | | | | | | | | | | | | | | | | | |
| Yes: | | 3137/4273 (73%) | 626/856 (73%) | 640/845 (76%) | 643/861 (75%) | 627/856 (73%) | | 601/855 (70%) | | 21/27 (78%) | | 838/1153 (73%) | | 920/1201 (77%) | | 831/1140 (73%) | | 497/704 (71%) | | 30/48 (63%) |
| 6/ If you want more CPR training, what is the reason? | | | | | | | | | | | | | | | | | | | | |
| Heart disease within the family | | 97/ 4273 (3%) | 19/626 (3%) | 22/640 (3%) | 20/643 (3%) | 17/627 (3%) | | 19/601 (3%) | | 1/21 (5%) | | 31/838 (4%) | | 22/920 (2%) | | 21/831 (3%) | | 18/497 (4%) | | 4/30 (13%) |
| Wish of avoiding unnecessary death | | 2091/4273 (67%) | 420/626 (67%) | 409/640 (64%) | 435/643 (68%) | 416/627 (66%) | | 411/601 (68%) | | 15/21 (71%) | | 31/838 (67%) | | 593/920 (65%) | | 555/831 (67%) | | 350/497 (71%) | | 17/30 (57%) |
| Other reason or no answer | | 949/4273 (30%) | 187/626 (30%) | 209/640 (33%) | 188/643 (29%) | 194/627 (31%) | | 171/601 (29%) | | 5/21 (24%) | | 246/838 (29%) | | 305/920 (33%) | | 255/831 (31%) | | 129/497 (26%) | | 9/30 (30%) |
| 7/ Do you think CPR training should be mandatory? | | | | | | | | | | | | | | | | | | | | |
| Yes, at school | | 1751/4273 (41%) | 325/856 (38%) | 327/845 (39%) | 363/861 (42%) | 369/856 (43%) | | 367/855 (43%) | | 10/27 (37%) | | 482/1153 (42%) | | 512/1201 (43%) | | 437/1140 (38%) | | 288/704 (41%) | | 22/48 (46%) |
| Yes, to obtain the driving license | | 133/4273 (3%) | 26/856 (3%) | 26/845 (3%) | 34/861 (4%) | 26/856 (3%) | | 21/855 (3%) | | 1/27 (4%) | | 36/1153 (3%) | | 34/1201 (3%) | | 34/1140 (3%) | | 28/704 (4%) | | 0/48 (0%) |
| Yes, training should be mandatory in every job | | 1715/4273 (40%) | 411/856 (48%) | 350/845 (41%) | 323/861 (38%) | 303/856 (35%) | | 328/855 (38%) | | 12/27 (44%) | | 508/1153 (44%) | | 467/1201 (39%) | | 451/1140 (40%) | | 263/704 (37%) | | 14/48 (29%) |
| No, CPR training should be optional | | 674/4273 (16%) | 94/856 (11%) | 142/845 (17%) | 141/861 (16%) | 158/856 (19%) | | 139/855 (16%) | | 4/27 (15%) | | 127/1153 (11%) | | 188/1201 (16%) | | 218/1140 (19%) | | 125/704 (18%) | | 12/48 (25%) |
| 8) Is CPR already part of the secondary education curriculum? | | | | | | | | | | | | | | | | | | | | |
| Yes: | 1523/4273 (36%) | 347/856 (41%) | 298/845 (35%) | 289/861 (34%) | 311/856 (36%) | | 278/855 (33%) | | 12/27 (44%) | | 429/1153 (37%) | | 473/1201 (39%) | | 379/1140 (33%) | | 216/704 (31%) | | 14/48  (29%) | |

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| Cluster 2: Knowledge assessment. | | | | | | | | | |
|  | **All** | **Age** | | | | | | **Previous training** | |
|  |  | <20 | 21-30 | 31-40 | 41-50 | 51-60 | >61 | No | Yes |
| 1/ What is the correct emergency phone number? (112) | 2819/4273 (66%) | 14/27 (52%) | 870/1153  (27%) | 817/1201 (68%) | 722/1140 (26%) | 376/704 (53%) | 20/48 (42%) | 936/1734 (54%) | 1883/2539 (74%) |
| 2/ What is the out of hospital survival rate if a patient receives bystander CPR before arrival of emergency personnel? | | | | | | | | | |
| No influence | 82/4273 (2%) | 0/27  (0%) | 25/1153 (2%) | 18/1201 (2%) | 20/1140 (2%) | 18/704 (3%) | 1/48  (2%) | 36/1734 (2%) | 46/2539 (2%) |
| 2 to 3 times more (correct) | 1927/4273 (45%) | 10/27 (37%) | 581/1153 (50%) | 509/1201 (42%) | 513/1140 (45%) | 289/704 (41%) | 25/48 (52%) | 800/1734 (46%) | 1127/2539 (44%) |
| 5 times more | 2264/4273 (53%) | 17/27 (63%) | 547/1153 (47%) | 674/1201 (56%) | 607/1140 (53%) | 397/704 (56%) | 22/48 (46%) | 898/1734 (52%) | 1366/2539 (54%) |
| 3/ You are alone and come across an apparently lifeless adult person. What do you do? | | | | | | | | | |
| Immediately start chest compressions | 74/4273 (2%) | 1/27  (4%) | 14/1153 (1%) | 19/1201 (2%) | 20/1140 (2%) | 18/704 (3%) | 2/48  (4%) | 32/1734 (2%) | 42/2539 (2%) |
| Check for consciousness, secure airways and check if the patient is breathing (correct) | 3351/4273 (78%) | 19/27 (70%) | 949/1153 (82%) | 969/1201 (81%) | 867/1140 (76%) | 512/704 (73%) | 35/48 (73%) | 1168/1734 (67%) | 2183/2539 (86%) |
| Check for pulse | 848/4273 (20%) | 7/27 (26%) | 190/1153 (17%) | 213/1201 (18%) | 253/1140 (22%) | 174/704 (25%) | 11/48 (23%) | 534/1734 (31%) | 314/2539 (12%) |
| 4/ It turns out the patient is breathing but shows no response to verbal stimuli. What do you do? | | | | | | | | | |
| Immediately start chest compressions | 72/4273 (2%) | 0/27  (0%) | 16/1153 (1%) | 16/1201 (1%) | 20/1140 (2%) | 20/704 (3%) | 0/48 (0%) | 39/1734 (2%) | 34/2539 (1%) |
| Put the patient in recovery position and call for ambulance (correct) | 3702/4273 (87%) | 20/27 (74%) | 997/1153 (87%) | 1047/1201 (87%) | 994/1140 (87%) | 605/704 (86%) | 39/48 (81%) | 1541/1734 (89%) | 2161/2539 (85%) |
| Check for pulse | 499/4273 (12%) | 7/27 (26%) | 140/1153 (12%) | 138/1201 (12%) | 126/1140 (11%) | 79/704 (11%) | 9/48 (19%) | 155/1734 (41%) | 344/2539 (14%) |
| 5/ You decide to perform CPR. Which of the following combinations of chest compressions and ventilations would you choose? | | | | | | | | | |
| 30 chest compressions:2 rescue breathings (correct) | 14/27 (52%) | 687/1153 (60%) | 599/1201 (50%) | 574/1140 (50%) | 320/704 (46%) | 22/48 (46%) | 2216/4273 (52%) | 794/1734 (46%) | 1422/2539 (56%) |
| 30 chest compressions:5 rescue breathings | 6/27  (22%) | 208/1153 (18%) | 254/1201 (21%) | 289/1140 (25%) | 187/704 (27%) | 16/48 (33%) | 960/4273 (23%) | 502/1734 (29%) | 458/2539 (18%) |
| 2 rescue breathings:30 chest compressions | 7/27  (26%) | 258/1153 (22%) | 348/1201 (29%) | 277/1140 (24%) | 197/704 (28%) | 10/48 (21%) | 1097/4273 (26%) | 438/1734 (25%) | 659/2539 (26%) |
| 6/ How deep and how fast would you perform chest compressions? | | | | | | | | | |
| 4-5 cm and 100/min | 1869/4273 (44%) | 11/27 (41%) | 520/1153 (45%) | 512/1201 (43%) | 507/1140 (45%) | 303/704 (43%) | 16/48 (33%) | 717/1734 (41%) | 1152/2539 (45%) |
| At least 5cm and 100-120/min (correct) | 1420/4273 (33%) | 9/27 (33%) | 408/1153 (35%) | 419/1201 (35%) | 369/1140 (32%) | 200/704 (28%) | 15/48 (31%) | 439/1734 (25%) | 981/2539 (39%) |
| No answer | 984/4273 (23%) | 7/27 (26%) | 225/1153 (20%) | 270/1201 (23%) | 264/1140 (23%) | 201/704 (29%) | 17/48 (35%) | 578/1734 (33%) | 406/2539 (16%) |
| 7/ What is the purpose of an Automated External Defibrillator (AED) ? | | | | | | | | | |
| - To analyse the hearth rhythm | 90/4273 (2%) | 2/27  (7%) | 21/1153 (2%) | 28/1201 (2%) | 23/1140 (2%) | 16/704 (2%) | 0/48  (0%) | 52/1734 (3%) | 38/2539 (2%) |
| - To analyse the hearth rhythm and if necessary to give an electric shock (correct) | 3494/4273 (82%) | 19/27 (70%) | 970/1153 (84%) | 977/1201 (81%) | 915/1140 (80%) | 576/704 (82%) | 37/48 (77%) | 1322/1734 (76%) | 2172/2539 (86%) |
| - To give cardiac massage | 408/4273 (10%) | 0/27  (0%) | 108/1153 (9%) | 119/1201 (10%) | 116/1140 (10%) | 57/704 (8%) | 8/48 (17%) | 191/1734 (11%) | 217/2539 (9%) |
| - I don’t know | 281/4273 (7%) | 6/27 (22%) | 54/1153 (5%) | 77/1201 (6%) | 86/1140 (8%) | 55/704 (8%) | 3/48  (6%) | 169/1734 (10%) | 112/2539 (4%) |
| 8/ Who is allowed to use an AED? | | | | | | | | | |
| Every citizen (correct) | 2054/4273 (48%) | 11/27 (41%) | 605/1153 (53%) | 563/1201 (47%) | 538/1140 (47%) | 314/704 (45%) | 23/48 (48%) | 680/1734 (39%) | 1374/2539  (54%) |
| Only skilled people | 1518/4273 (36%) | 11/27 (41%) | 388/1153 (34%) | 423/1201 (35%) | 416/1140 (37%) | 266/704 (38%) | 14/48 (29%) | 723/1734 (42%) | 795/2539 (31%) |
| Only emergency personnel | 507/4273 (12%) | 3/27 (11%) | 112/1153 (10%) | 160/1201 (13%) | 130/1140 (11%) | 93/704 (13%) | 9/48 (19%) | 241/1734 (14%) | 266/2539 (11%) |

**Cluster 3: Skills assessment.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | All | | Age | | | | | | | | | | | | Previous training | | |
|  | |  | | <20 | | 21-30 | | 31-40 | | 41-50 | | 51-60 | | >61 | | No | | Yes |
| 1/ The respondent kneeled next to the torso | 3695/4273 (87%) | | 24/27 (89%) | | 1033 /1153 (90%) | | 1046/1201 (87%) | | 958/1140 (84%) | | 594/704  (84%) | | 40/48 (83%) | | 1416/1734 (82%) | | 2279/2539 (90%) | |
| 2/ Hand-placement on the torso |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| Used of one hand | 31/4273 (1%) | | 0/27 (0%) | | 0/1153 (0%) | | 8/1201 (1%) | | 13/1140 (1%) | | 6/704 (1%) | | 1/48 (2%) | | 20/1734 (1%) | | 11/2539 (0%) | |
| Placed one hand above the other with palm of the hands downwards | 1981/4273 (46%) | | 12/27 (44%) | | 401/1153 (35%) | | 528/1201 (44%) | | 617/1140 (54%) | | 393/704 (56%) | | 30/48 (63%) | | 1016/1734 (59%) | | 965/2539 (38%) | |
| Used one hand as a fist | 260/4273 (6%) | | 2/27  (7%) | | 66/1153 (6%) | | 68/1201 (6%) | | 72/1140 (6%) | | 45/704 (6%) | | 7/48 (15%) | | 110/1734 (6%) | | 150/2539 (6%) | |
| Crossed the fingers of both hands | 1716/4273 (40%) | | 13/27 (48%) | | 642/1153 (56%) | | 534/1201 (45%) | | 355/1140 (31%) | | 167/704 (24%) | | 5/48 (10%) | | 408/1734 (24%) | | 1308/2539 (52%) | |
| Two hands next to each other | 157/4273 (4%) | | 0/27  (0%) | | 21/1153 (2%) | | 32/1201 (3%) | | 50/1140 (4%) | | 49/704 (7%) | | 5/48 (10%) | | 106/1734 (6%) | | 51/2539 (2%) | |
| Not able to place hands | 127/4273 (3%) | | 0/27  (0%) | | 20/1153 (2%) | | 31/1201 (3%) | | 33/1140 (3%) | | 43/704 (6%) | | 0/48  (0%) | | 74/1734 (4%) | | 53/2539 (2%) | |
| 3/ Chest compression frequency |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| < 1x/second | 380/4273 (9%) | | 2/27  (7%) | | 73/1153 (6%) | | 91/1201 (8%) | | 116/1140 (10%) | | 89/704  (13%) | | 9/48 (19%) | | 218/1734 (13%) | | 162/2539 (6%) | |
| 1x/2second | 366/4273 (9%) | | 2/27  (7%) | | 77/1153 (7%) | | 116/1201 (10%) | | 99/1140 (9%) | | 69/704  (10%) | | 3/48  (6%) | | 168/1734 (10%) | | 198/2539 (8%) | |
| 1x/second | 1782/4273 (42%) | | 12/27  (44%) | | 482/1153 (42%) | | 524/1201 (44%) | | 482/1140 (42%) | | 261/704 (37%) | | 21/48 (44%) | | 754/1734 (44%) | | 1028/2539 (41%) | |
| 2x/second | 1450/4273 (34%) | | 10/27  (37%) | | 450/1153 (39%) | | 393/1201 (33%) | | 369/1140 (32%) | | 216/704 (31%) | | 12/48 (25%) | | 449/1734 (26%) | | 1001/2539 (39%) | |
| >2x/second | 171/4273 (4%) | | 1/27  (4%) | | 57/1153 (5%) | | 36/1201 (3%) | | 36/1140 (3%) | | 39/704  (6%) | | 2/48  (4%) | | 67/1734 (4%) | | 104/2539 (4%) | |
| Irregularly | 122/4273 (3%) | | 0/27  (0%) | | 14/1153 (1%) | | 40  (3%) | | 38/1140 (3%) | | 29  (4%) | | 1/48  (2%) | | 77/1734 (4%) | | 45/2539 (2%) | |