ESCAPE-NET DATA DICTIONARY - SCA COHORTS

The ESCAPE-NET data harmonization effort allows us to combine heterogeneous data sets from the involved project sites in order to carry out subsequent pooled analyses.

The two interconnected data harmonization committees have created a list of variables (data dictionary) which are common to all cohorts based on clinical relevance and availability, one for the SCA (case) cohorts and another for the observational prospective population (longitudinal) cohorts.

Before data can be incorporated into the database, data must be transformed according to the ESCAPE-NET variable lists.

instructions for harmonization responsible

1. Transform local variables to the ESCAPE-NET format, according to variable naming, type and coding in this data dictionary.
2. Fill in the codebook (https://escape-net.github.io/docs/documents/documents.html) with the variables you have transformed to the listed ESCAPE-NET variable, including the local variable name, type, coding, and transformation syntax. The transformation syntax as noted in your codebook should correspond with the "real" transformation syntax used. The codebook is a transformation "recipe", ensuring that potential sources of heterogeneity between transformed cohorts are elucidated.
3. Include a brief description of the method of data collection. If much detailing is needed, a link to a paper describing how the variable was collected or derived is accepted.
4. If data is missing, code as follows:
   a. -3 means 'not applicable'. An example from the case cohorts: a patient suffers an OHCA, with diagnosed cause hypertrophic cardiomyopathy. In that case, a PCI is not applicable, thus code -3.
   b. -2 means 'not recorded'. It could be that your study does not record this particular data item.
   c. -1 means 'unknown'. This means that the variable is recorded in your study, is also applicable for this patient, but is missing, for whatever reason.
2. Be aware that variables describing dates should be of type numeric (Integer), i.e., MMYYYY (e.g., 082007).
5. Be aware that time intervals should be included as seconds and not hh:mm:ss
6. Quality check of transformations and information (check by a naive third person) is the responsibility of the local cohort.
7. In the end, transformed data should be stored in CSV format with a csv file for each data table (cc identifiers, cc basic, cc resus, etc.).
8. Lastly, fill in the Quality Control Checklist found here (https://escape-net.github.io/docs/documents/documents.html)
9. Data can be uploaded to the ESCAPE-NET database with the help of the consortium data manager (simon.mathis.koenig@regionh.dk).

If you have any doubts, please contact Simon Mathis Kønig.

cc identifiers

VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_COH	Code of cohort	Choice	1 AMC ARREST; 2 AMC AGNES; 3; VUmc Old Hoorn Study; 4 Vumc New Hoorn Study; 5 VUmc Diabetes Care System; 6 UP Cartagene; 7 UP Paris SD Exp Centre; 8 UP PPS3; 9 RegionH SCDY Denmark; 10 RegionH GEVAMI; 11 RegionH SCD Copenhagen CHS; 12 RegionH DanCAR; 13 Pavia PREDESTINATION; 14 IRFMN RIAC AMSA; 15 EMS HK PRINCESS; 16 KI SAMBA; 17 VUmc Diabetes Pearl; 18 Pavia Lombardia CARe	
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
ID_PA_NAT	National registries code	Choice	-1 unknown; 0 not present in cohort database; 1 present in cohort database	

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VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort

ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
CASE_OHCA	Included patient is case	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Included to discriminate between cases and controls for case-control cohorts
PA_GENDER	Patient gender	Choice	-3 NA; -2 not recorded; -1 unknown; 0 female; 1 male	
PA_AGE	Age in years at moment of cardiac arrest	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown;	
PA_ADDRE_PR	Address of patient present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
PA_POSTC_PR	Postcode of patient present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
PA_CITY_PR	city/town of patient present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
OHCA_DATE_PR	Date of cardiac arrest present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
OHCA_TIME_PR	Time of OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
OHCA_LOC_TYPE	Out-of-hospital, ambulance witnessed, in-hospital	Choice	-3 NA; -2 not recorded; -1 unknown;1 OHCA; 2 Ambulance; 3 IHCA	
OHCA_ADDR_PR	Address of OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
OHCA_POST_PR	Postcode of OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
OHCA_CITY_PR	city / town of OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

| PA_DNA_PR | DNA sample of patient present | Choice | -3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes | |

cc diagnosis and clinical

VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
OHCA_CAUSE_UT14	Medical, traumatic, drug overdose, drowning, electrocution, asphyxial	Choice	-3 NA; -2 not recorded; -1 unknown; 1 medical; 2 trauma; 3 drowning; 4 drugs overdose; 5 electrocution; 6 asphyxia by external cause	from 2015 onwards
OHCA_CAUSE_UT04	Cardiac, traumatic, drowning, respiratory, other non cardiac	Choice	-3 NA; -2 not recorded; -1 unknown; 1 cardiac cause; 2 drowning; 3 trauma; 4 respiratory; 5 other non-cardiac	
OHCA_CAUSE_UT04B	Binairy; unknown and cardiac become cardiac	Choice	-3 NA; -2 not recorded; -1 unknown; 1 cardiac cause; 2 non-cardiac	
OHCA_CAUSE_EXT	Hospital diagnosis of cause of OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 1 STEMI; 2 NSTEMI; 3 LongQT/Brugada; 4 Hypertrophic CM; 5 dilated CM;	Hospital diagnosis, only available for those who were admitted

			6 Elektrolyte disturbance; 7 Idiopatic; 8 Digoxin intoxication; 9 Coronary spasm; 10 Myocardial ischemia-no AMI; 11 Total block/bradycardia; 12 ARVC; 13 AMI not further specified; 14 other - cardiac; 15 other - non cardiac; 16 unknown-searched for	
OHCA_CAUSE_MI	OHCA is caused by MI	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_ACTPRE_OHCA	Physical activity before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 while sleeping; 1 no/light exercise; 2 (heavy) exercise	Any physical activity, not necessarily sports
OHCA_ACTIVITY	Physical activity before OHCA, extended	Choice	-3 NA; -2 not recorded; -1 unknown; 0 sleep; 1 rest/relaxed; 2 physical activity moderate; 3 physical activity high; 4 after physical activity;	
OHCA_SPORT_ACTIVITY	Sport event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_ECG_BEFOHCA	ECG available before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_ECG_AFTOHCA	ECG available after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_ECHO	Echo during admission of index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Echocardiogram parameters, most echos are performed during admission, within 2 days after event

HOS_LVEF	LVEF during admission of index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TTM_IND	Targeted temperature management	Choice	-3 NA; -2 not recorded; -1 unknown; 1 TTM; 2 died before admission; 3 died to soon on ward; 4 too good to cool; 5 no indication to cool; 6 no opportunity to cool; 7 no TTM unknown reason	Available for those admitted to hospital
HOS_TTM_TYPE	Type of targeted temperature management	Choice	-3 NA; -2 not recorded; -1 unknown; 1 hypothermia; 2 normothermia	Available for those admitted to hospital
HOS_CAG	CAG during admission of index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_PCI_WITH_STENT	PCI with stent during admission of index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_PCI_WITHOUT_STENT	PCI with out stent during admission of index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_CABG	CABG during admission after index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_TROMBOLYSIS	Trombolysis during admission index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital

HOS_PACEMAKER	Pacemaker implantation during admission after index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_ICD	ICD during admission after index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Available for those admitted to hospital
HOS_ICD_REASON	Reason for ICD implantation during admission after index event	Choice	-3 NA; -2 not recorded; -1 unknown; 1 primary VF; 2 dilated cardiomyopathy with low EF; 3 Brugada or LQTS; 4 MUSTT criteria; 5 coronary spams; 6 myocardial ischemia but no acute MI; 7 hypertrophic cardiomyopathy; 8 ARVC	Available for those who received an ICD
HOS_CK_UNIT	CK unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_CK_ADM	Peak of CK during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_CK_TIME_INTERVAL	Time between symptom onset and peak of CK, minutes	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_CKMB_UNIT	CKMB unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_CKMB_PEAK	Peak of CKMB during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_CKMB_TIME_INTERVAL	Time between symptom onset and peak of CKMB	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TNT_UNIT	TNT unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	

HOS_TNT_PEAK	Peak of TNT during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TNT_TIME_INTERVAL	Time between symptom onset and peak of TNT, minutes	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TNI_UNIT	TNI unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_TNI_PEAK	Peak of TNI during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TNI_TIME_INTERVAL	Time between symptom onset and peak of TNI, minutes	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_LDL_UNIT	LDL unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_LDL	LDL measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_HDL_UNIT	HDL unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_HDL	HDL measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_CHOL_UNIT	Chol unit	Text	TEXT, or -3 NA; -2 not recorded; -1 unknown	
HOS_CHOL	Cholesterol measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	

HOS_TRIGLYCERID_UNIT	Triglycerid unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_TRIGLYCERID	Triglycerid measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_GLUCOSE_UNIT	Glucose unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_GLUCOSE	Glucose measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_HBA1C_UNIT	HBA1C unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_HBA1C	HBA1C measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_NA_UNIT	Na unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_NA	Na measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_NA_TIME_INTERVAL	Time between symptom onset and Na measurement, minutes	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_K_UNIT	K unit	Text	Text, or -3 NA; -2 not recorded; -1 unknown	
HOS_K	K measured during admission after index event	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	

HOS_K_TIME_INTERVAL	Time between symptom onset and K measurement, minutes	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TIME_SYMPTOM_PROCEDURE	Time between symptom onset and first catheter in (CAG/PCI), minutes	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_VFBEFOREPCI	VF before PCI	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_VFAFTERPCI	VF after PCI during admission after index event	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_VTBEFOREPCI	VT before PCI	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_VTAFTERPCI	VT after PCI during admission after index event Choice	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_TIMIFLOW_BEFORE_PCI	Timiflow before PCI	Choice	-3 NA; -2 not recorded; -1 unknown; 0 TIMI0; 1 TIMI1; 2 TIMI2; 3 TIMI3	
HOS_TIMIFLOW_AFTER_PCI	Timiflow after PCI	Choice	-3 NA; -2 not recorded; -1 unknown; 0 TIMI0; 1 TIMI1; 2 TIMI2; 3 TIMI3	
HOS_CAG_STENTTYPE	Type of stent	Choice	-3 NA; -2 not recorded; -1 unknown; 1 DES; 2 BMS; 3 BMS+DES; 4 Other	1=Drug Eluting Stent (DES); 2=Bare Metal Stent (BMS); 3=BMS+DES; 4=other stents; 9=No data
HOS_MULTIVESSEL_DISEASE	Multivessel disease	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_CULPRIT_LESION	Culprit lesion	Choice	-3 NA; -2 not recorded; -1 unknown; 1 LAD; 2 LM; 3 RCA; 4 CX	
HOS_CULPRIT_SEGMENT	Culprit segment	Choice	-3 NA; -2 not recorded; -1 unknown; 1 prox; 2 mid; 3 distal	

cc medical history

VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
MH_PREVIOUS_MI	MI diagnose before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PREVIOUS_MI_YR	Year of first MI before cardiac arrest	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
MH_PREVIOUS_ANGPECT	Known with chest-pain before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PREVIOUS_ANGPECT_1YR	Known with chest-pain in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_HEARTFAIL	Known with heart failure before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_CONGHEARTDIS	Known with congenital heart disease before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_AF	Known with atrial fibrillation/flutter before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MH_VENT_ARRH	Known with ventricular arrhythmia before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_CARDIOMYOP	Known with cardiomyopathy before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_VALVPATH	Known with valvular pathology before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DYSLIPID	Known with dyslipidemia before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_OBESITAS	Known with obesitas before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
PA_BMI	BMI around time of cardiac arrest in kg/m2	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
PA_HEIGHT	Patient height in cm	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
PA_WEIGHT	Patient weight in kg	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
PA_SMOKER	Current smoker in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
PA_SMOKE_STATUS	Smoking status at the time of the cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0=Never smoker, 1=Current smoker, 3=Ex-smoker	
PA_ALC	Known with excessive drinking before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

PA_ALCOHOL_WEEK	Alcohol units (12 g=1 unit)/week during the last year before SCA	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
MH_HYPERTENSION	Known with Hypertension before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DM	Known with Diabetes Mellius before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DM1	Known with Diabetes Mellius Type 1 before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DM2	Known with Diabetes Mellius Type 2 before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_STROKE	Known with stroke before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_CAD	Known with coronary artery disease before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PER_ART_DIS	Known with peripheral arterial disease before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DEPRESSION	Known with depression before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_ANXIETY	Known with anxiety before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_SCHIZOPHRENIA	Known with schizophrenia before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MH_EPILEPSIA	Known with epilepsia before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_MIGRAINE	Known with migraine before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_HYPERTHYR	Known with hyperthyriod before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_HYPOTHYR	Known with hypothyriod before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_ASTMA	Known with astma before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_COPD	Known with Chronic Obstructive Pulmonary Disease before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_MALIGNANCY	Known with malignancy before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_MALIGNANCY_YR	Year of diagnosis of the malignancy	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
MH_RHEUMATISM	Known with Rheumatism before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_LIVER_FUNCTION_DIS	Known with liver function disorder before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_KIDNEY_FUNCTION_DIS	Known with kidney function disorder before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MH_PSORIASIS	Known with Psoriasis before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_SLEEP_APNEA	Known with Sleep Apnea before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
FH_SD_ABSD80	Family history of SD and/or aborted SD, first degree relatives, < 80 years	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
FH_SD_ABSD60	Family history of SD and/or aborted SD, first degree relatives, < 60 years	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
FH_CAD	Family history of coronary artery disease, first degree relatives	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
FH_STROKE	Family history of stroke, first degree relatives	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_UNSPECIFIC_SYMPTOMS	Known with influenza symptoms (fatigue, fever) before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_FEVER	Known with fever in the week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_VISITGP	Patient visited general practitioner in week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MH_DYSPNEA_1Y	Known with dyspnea in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DYSPNEA_1M	Known with dyspnea in the month before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DYSPNEA_1W	Known with dyspnea in the week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DYSPNEA_1D	Known with dyspnea on the day before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PALPITATIONS_1Y	Known with palpitations in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PALPITATIONS_1M	Known with palpitations in the month before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PALPITATIONS_1W	Known with palpitations in the week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_PALPITATIONS_1D	Known with palpitations on the day before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DIZZINESS_1Y	Known with dizziness in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MH_DIZZINESS_1M	Known with dizziness in the month before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DIZZINESS_1W	Known with dizziness in the week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_DIZZINESS_1D	Known with dizziness on the day before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_NEAR_SYNCOPE_1Y	Known with near_syncope in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_NEAR_SYNCOPE_1M	Known with near_syncope in the month before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_NEAR_SYNCOPE_1W	Known with near_syncope in the week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_NEAR_SYNCOPE_1D	Known with near_syncope on the day before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_SYNCOPE_1Y	Known with syncope in the year before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_SYNCOPE_1M	Known with syncope in the month before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
MH_SYNCOPE_1W	Known with syncope in the week before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MH_SYNCOPE_1D	Known with syncope on the day before cardiac arrest	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

cc medication

VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
MED_BETA_BLOCKER_BEFORE_OHCA	Betablocker in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_STATINS_BEFORE_OHCA	Statins in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_ACE_ARB_BEFORE_OHCA	ACE and/or ARB in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_ASPIRIN_BEFORE_OHCA	Aspirin in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MED_WARFARIN_BEFORE_OHCA	Warfarin in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PLAVIX_BEFORE_OHCA	Plavix in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PRASUGREL_BEFORE_OHCA	Prasugrel in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_DIGOXIN_BEFORE_OHCA	Digoxin in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_CALCIUM_ANTA_BEFORE_OHCA	Calcium antagonists in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_DIURETICS_BEFORE_OHCA	Diuretics in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_ANTIDEPRESSION_BEFORE_OHCA	Antidepressiv medication in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_OMEGA_3_BEFORE_OHCA	Omega3 in 1 year	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

	before OHCA			
MED_TICAGRELOL_BEFORE_OHCA	Ticagrelol in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PREDNISOLON_BEFORE_OHCA	Prednisolon in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_EZETIMIBE_BEFORE_OHCA	Ezetimibe in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_MULTI_VITAMINS_BEFORE_OHCA	Multivitamins in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_METFORMIN_BEFORE_OHCA	Metformin in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_INSULIN_BEFORE_OHCA	Insulin in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_NSAID_BEFORE_OHCA	NSAID in 1 year before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_BETA_BLOCKER_AFTER_OHCA	Betablocker in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MED_STATINS_AFTER_OHCA	Statins in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_ACE_ARB_AFTER_OHCA	ACE and/or ARB in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_ASPIRIN_AFTER_OHCA	Aspirin in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_WARFARIN_AFTER_OHCA	Warfarin in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PLAVIX_AFTER_OHCA	Plavix in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PRASUGREL_AFTER_OHCA	Prasugrel in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_DIGOXIN_AFTER_OHCA	Digoxin in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_CALCIUM_ANTA_AFTER_OHCA	Calcium antagonists in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_DIURETICS_AFTER_OHCA	Diuretics in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_ANTIDEPRESSION_AFTER_OHCA	Antidepression	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

	medication in 6 months after OHCA		
MED_OMEGA_3_AFTER_OHCA	Omega3 in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_TICAGRELOL_AFTER_OHCA	Ticagrelol in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_PREDNISOLON_AFTER_OHCA	Prednisolon in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_EZETIMIBE_AFTER_OHCA	Ezetimibe in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_MULTI_VITAMINS_AFTER_OHCA	Multivitamins in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_METFORMIN_AFTER_OHCA	Metformin in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_INSULIN_AFTER_OHCA	Insulin in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_NSAID_AFTER_OHCA	NSAID in 6 months after OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes
MED_CURR_ATCCODE_PRES	ATC code current medication	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes

	prescription s present			
MED_CURR_GPKCODE_PRES	GPK code current prescription s present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_CURR_DDD_PRES	DDD current prescription s present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_CURR_DURATION_PRES	Duration current prescription s in days present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_CURR_START_PRES	Start date current prescription s present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PAST_USE_ATCCODE_PRES	ATC code prescription s use in year before, not current present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PAST_USE_GPKCODE_PRES	GPK code prescription s use in year before, not current present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

MED_PAST_USE_DDD_PRES	DDD prescriptions use in year before, not current present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PAST_USE_DURATION_PRES	Duration prescriptions in days use in year before, not current present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_PAST_START_PRES	Start date past prescriptions present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_AFTER_ATCCODE_PRES	ATC code prescriptions after OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_AFTER_GPKCODE_PRES	GPK code prescriptions after OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_AFTER_DDD_PRES	DDD prescriptions after OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
MED_AFTER_DURATION_PRES	Duration prescriptions in days after OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
MED_AFTER_START_PRES	Start date prescriptions after OHCA present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

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VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
RES_COUNTRY	Country of cardiac arrest	Text	Text, or: -3 NA; -2 not recorded; -1 unknown	
RES_REGION	Region of cardiac arrest	Text	Text, or: -3 NA; -2 not recorded; -1 unknown	

RES_REGIONKM2	Area of the region in square kilometers	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_POPULATION	Population served	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_SYSDESCR	System description	Text	Text, or: -3 NA; -2 not recorded; -1 unknown	
RES_SYSACT	Was the citizen responder system activated by the emergency dispatch center	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_CACONF	Cardiac arrest is the cessation of cardiac mechanical activity as confirmed by the absence of signs of circulation. If an EMS provider or physician did not witness the cardiac arrest, he/she may be uncertain as to whether a cardiac arrest actually occurred	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Confirmation by EMS on arrival; "unknown" may be chosen, e.g. in case of bystander-CPR with ROSC prior to EMS-arrival
RES_CPRDONE	Cardiopulmonary CPR attempted by EMS or bystander, irrespective if continued or not, is an attempt to restore spontaneous circulation by performing chest compressions with or without ventilations. It also includes the use of an AED without compressions	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Any CPR attempted by EMS or bystander, irrespective of continued or not

RES_NOCPR	EMS personnel may not attempt resuscitation when a do- not-attempt-resuscitation (DNAR) order exists, a resuscitation attempt is considered futile, or resuscitation is not required (e.g., the patient has signs of circulation).	Choice	-3 NA; -2 not recorded; -1 unknown; 1 died earlier; 2 DNAR; 3 wish family; 4 wish doctor; 5 succesful ICD shock; 6 signs of life	Reasons for no attempt as decided by EMS; this field has to be coded as -3 if CPR is attempted by EMS
RES_ECG_PRES	Continuous resuscitation ECG suitable for waveform analysis present	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	ECG should be in a format suitable for waveform analysis (i.e. .pco files)
RES_YR	Year of receipt of dispatch call	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_MO	Month of receipt of dispatch call	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_DAY	Day of the week of receipt of dispatch call	Choice	-3 NA; -2 not recorded; -1 unknown; 1 Monday; 2 Tuesday; 3 Wednesday; 4 Thursday; 5 Friday; 6 Saturday; 7 Sunday	
RES_NIGHTDAY	Daytime Evening Nighttime of dispatch call	Choice	-3 NA; -2 not recorded; -1	

			unknown; 1 daytime; 2 evening; 3 nighttime	
RES_INTERVALCALLARRIV	Time interval between receipt of dispatch call and vehicle stop of first ambulance on scene	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	The time interval in seconds between receipt of dispatch call and stopping the ambulance, helicopter or other EMS vehicle on scene
RES_INTERVALCALLSHOCK	Time interval between receipt of dispatch call and first shock	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	The time interval in seconds between receipt of dispatch call and first shock of ambulance defibrillator; code as -3 if no shock
RES_INTERVALCALLSHOCKAED	Time interval between receipt of dispatch call and first shock AED	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	The time interval in seconds between receipt of dispatch call and first shock of AED; code as –3 if no shock
RES_LOCAT	Place of cardiac arrest OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 1 residence; 2 work/office; 3 sportfacility; 4 street; 5 public building; 6 long-term care; 7 other	Location of arrest is the specific location where the event occurred, or the patient was found. Knowledge of where cardiac arrests occur may help a community to determine how it can optimize its resources to reduce response intervals. A basic list of predefined locations will facilitate comparisons. Local factors may make creation of subcategories useful. For example: Place of residence: e.g., home, apartment, back yard of a home.
RES_LOCPUB	Place of cardiac arrest OHCA public or not	Choice	-3 NA; -2 not recorded; -1	Residence and long-term care are regarded as non-public, other

			unknown; 0 no; 1 yes	categories of RES_LOCAT are regarded as public
RES_LOCATHELI	EMS-witnessed cardiac in helicopter	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_LOCATSCHOOL	Cardiac arrest in school building	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_ACTPREOHCA	Physical activity before OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 while sleeping; 1 no/light exercise; 2 (heavy) exercise	Any physical activity, not necessarily sports
OHCA_ACTIVITY	Physical activity before OHCA extended	Choice	-3 NA; -2 not recorded; -1 unknown; 0=sleep; 1=rest/relaxed; 2=physical activity moderate; 3=physical activity high; 4=after physical activity;	
OHCA_SPORT_ACTIVITY	Performing sports before OHCA binary	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

RES_TELECPR	Dispatch: telephone CPR	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Info from dispatch center: is CPR (instruction) offered? NOT if actually done
RES_WITNES	A witnessed cardiac arrest is one that is seen or heard by another person or an arrest that is monitored	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes; 2 EMS	
RES_BYSTANCPR	Bystander CPR is cardiopulmonary resuscitation performed by a person who is not responding as part of an organized emergency response system to a cardiac arrest. Physicians, nurses, and paramedics may be described as performing bystander CPR if they are not part of the emergency response system involved in the victim's resuscitation	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no CPR; 1 any bystander w/o additinional information; 2 full CPR; 3 CCO CPR	For the EuReCa ONE study "any bystander-CPR" has been added compared to Utstein definition. Participants should preferably specify between "full CPR" and "CCO CPR"
RES_PERSCPRSTART	Who started CPR	Choice	-3 NA; -2 not recorded; -1 unknown; 1 Person there by chance (true bystander); 2 Person sent to help; 3 EMS	Who started the resuscitation? Was it a person there by chance or was it a person sent to help by the dispatch center for example via App or as a community response?
RES_GBYSTANDER	Gender of bystander	Choice	-3 NA; -2 not recorded; -1 unknown; 0 female; 1 male	Gender of the person on scene by chance who started CPR
RES_AGEBYSTANDER	Age of bystander, years	Float	numeric, or: -3 NA; -2 not	

			recorded; -1 unknown	
RES_INIRHYTHM	The first monitored rhythm is the first cardiac rhythm present when the monitor or defibrillator is attached to the patient after a cardiac arrest. If the AED does not have a rhythm display, it may be possible to determine the first monitored rhythm from a data storage card, hard drive, or other device used by the AED to record data. If the AED has no data recording device, the first monitored rhythm should be classified simply as shockable or nonshockable.	Choice	-3 NA; -2 not recorded; -1 unknown; 0 not shockable; 1 shockable	From EMS defib. If AED first: from memory or "shockable" if AED shock given. This data point can be updated at a later time if the AED has data download capability.
RES_MECHCPR	Was mechanical chest compression used by EMS (i.e. Lucas, Autopulse)	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Use of any mechanical chest compression by EMS, at the scene or during transport to hospital
RES_AEDCONN	AED connected before EMS arrival with or without shocks	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_AEDCONNBY	AED attached by who?	Choice	-3 NA; -2 not recorded; -1 unknown; 0 Bystander; 1 Firefighter; 2 Police; 3 Dispatched citizen; 4 Other	

RES_AEDSHOCK	When a bystander attempts defibrillation, e.g., public access or lay rescuer defibrillation, it is recorded as a defibrillation attempt before EMS arrival. AEDs are increasingly being made available for access by the general public. In patients with an ICD, a shockable rhythm is likely to have triggered at least one shock by the device before the arrival of EMS personnel. This can be confirmed by analyzing the ICD memory. After extensive discussion, the task force agreed that defibrillation attempts by ICDs are important but difficult for EMS to track. Thus, ICD documentation is optional.	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Can be from AED memory or verbal report and EMS info
RES_DEFIORIG	First shock from AED or EMS	Choice	-3 NA; -2 not recorded; -1 unknown; 0 EMS; 1 AED	Device from which the first rhythm was derived; Code as –3 NA if no shock
RES_AEDDEFBY	AED defibrillation by who?	Choice	-3 NA; -2 not recorded; -1 unknown; 0 Bystander; 1 Firefighter; 2 Police; 3 Dispatched citizen; 4 Other	
RES_AEDCOV100	Was the OHCA within 100 m of a registered AED at time of event. Calculate straight line distances	Choice	-3 NA; -2 not recorded; -1	

	between OCHA location and >1 registered AED. Compare event date to registration date.		unknown; 0 No; 1 Yes
RES_AEDCOV250	Was the OHCA within 250 m of a registered AED at time of event. Calculate straight line distances between OCHA location and >1 registered AED. Compare event date to registration date.	Choice	-3 NA; -2 not recorded; -1 unknown; 0 No; 1 Yes
RES_AEDCOV500	Was the OHCA within 500 m of a registered AED at time of event. Calculate straight line distances between OCHA location and >1 registered AED. Compare event date to registration date.	Choice	-3 NA; -2 not recorded; -1 unknown; 0 No; 1 Yes
RES_AEDACC100	Was the OHCA within 100 m of an accessible AED at time of event. Calculate straight line distances between OCHA location and >1 accessible AED. Compare event date to registration date.	Choice	-3 NA; -2 not recorded; -1 unknown; 0 No; 1 Yes
RES_AEDACC250	Was the OHCA within 250 m of an accessible AED at time of event. Calculate straight line distances between OCHA location and >1 accessible AED. Compare event date to registration date.	Choice	-3 NA; -2 not recorded; -1 unknown; 0 No; 1 Yes
RES_AEDACC500	Was the OHCA within 500 m of an accessible AED at time of event. Calculate straight line distances between OCHA location and >1	Choice	-3 NA; -2 not recorded; -1 unknown; 0 No; 1 Yes

	accessible AED. Compare event date to registration date.			
RES_ROSC	Signs of return of spontaneous circulation include breathing (more than an occasional gasp), coughing, or movement. For healthcare personnel, signs of ROSC may also include evidence of a palpable pulse or a measurable blood pressure. For the purposes of the Utstein registry template, "successful resuscitation," or ROSC, is defined for all rhythms as the restoration of a spontaneous perfusing rhythm that results in more than an occasional gasp, fleeting palpated pulse, or arterial waveform. Assisted circulation (e.g., extracorporeal support such as extracorporeal membrane oxygenation or biventricular assist device) should not be considered ROSC until "patient- generated" (i.e., spontaneous) circulation is established. Previous reports focused on outcomes from ventricular fibrillation have variably defined "successful defibrillation" as the termination of fibrillation to any rhythm (including asystole) and the termination of fibrillation to an organized electrical rhythm at 5 s after	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no ROSC; 1 ROSC	Any ROSC of a duration >30 seconds with no chest compressions given.

	defibrillation (including pulseless electrical activity, PEA). Neither of these definitions of "successful defibrillation" would qualify as ROSC unless accompanied by evidence of restoration of circulation. By consensus, the term "any ROSC" is intended to represent a brief (approximately >30 s) restoration of spontaneous circulation that provides evidence of more than an occasional gasp, occasional fleeting palpable pulse, or arterial waveform. The time that ROSC is achieved is a core data element.			
RES_DEADSC	Patients who were not transported to hospital and died on scene after CPR had been attempted	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Patient dies on scene
RES_HOSPARRI	Admission defined as handover from EMS to emergency department or hospital system with ongoing additional treatment in the next step of care	Choice	-3 NA; -2 not recorded; -1 unknown; 1 dead; 2 transfer with ROSC; 3 transfer with ongoing CPR; 4 alive, no hospital transport	
RES_HOSPARRCONS	Admission defined as handover from EMS to emergency department or hospital system with ongoing additional treatment in the next step of care.	Choice	-3 NA; -2 not recorded; -1 unknown; 1 dead; 2 transfer with ongoing CPR; 3	

			comatose, no CPR; 4 conscious; 5 alive, no hospital transport	
RES_INT_OHCA_DISCHDEATH	Time interval in days between date of dispatch call and hospital discharge or death	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	Hospital discharge is the point at which the patient is discharged from the hospital acute care unit regardless of neurological status, outcome, or destination. Ideally this should indicate survival to discharge from acute hospital care, including a possible rehabilitation period in a local hospital before long term care, home care, or death. Note: interhospital transfer to same or higher level should not be considered discharge. If death in hospital: same as date of discharge
RES_INT_OHCA_DEATH	Time interval in days between date of dispatch call and death	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_SURV30D	30 day survival	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_SURV1YR	1 year survival	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	

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VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
ID_CITRES	Unique identifier for citizen responder	Text		
CITRES_ASSIGN	Assignment type of citizen rescuer: CPR/AED	Choice	-3 NA; -2 not recorded; -1 unknown; 1 CPR; 2 AED	
CITRES_FIRST	Citizen responder arrived before EMS, Fire fighters and police	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	First on scene (except witness)
CITRES_CPR	Citizen responder started CPR	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Did you start CPR?
CITRES_AED	Citizen responder attached AED	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Did you attach an AED?
CITRES_DEF	Citizen responder defibrillated the patient	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	Did you defibrillate the patient?

CITRES_TIME_LOCAL	Time interval system activated - localization citizen responder	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	Time interval in seconds
CITRES_TIME_APPLY	Time interval system activated - time when application confirmed contact with the system	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	Time interval in seconds
CITRES_TIME_ACCEPT	Time interval system activated - time when citizen responder accepts mission	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	Time interval in seconds
CITRES_TIME_DECLINE	Time interval system activated - time when citizen responder declines mission	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	Time interval in seconds
CITRES_DIST_OHCA	Distance citizen responder to OHCA, Straight line (as the crow flies)	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
CITRES_DIST_AED	Distance citizen responder to AED, Straight line (as the crow flies)	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
CITRES_DIST_AEDOHCA	Distance citizen responder - AED - OHCA Straight line (as the crow flies)	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
CITRES_DISTR_OHCA	Distance citizen responder to OHCA route distance (following street map)	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	

| CITRES_DISTR_AED | Distance citizen responder to AED route distance (following street map) | Float | numeric, or: -3 NA; -2 not recorded; -1 unknown | |
| CITRES_DISTR_AEDOHCA | Distance citizen responder - AED - OHCA route distance (following street map) | Float | numeric, or: -3 NA; -2 not recorded; -1 unknown | |

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VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique pseudonymized patient identifier for ESCAPE-NET, different from patient identifier in local cohort
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
HOS_ER	Patient brought to the emergency department related to the OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_ER_TREAT	Emergency department treatment related to the OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_CATH_TREAT	Cathlab treatment related to the OHCA	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_ECMO	ECMO treatment	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
HOS_CCU_D	Number of days spent in Coronary Care Unit(s) related to the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	

HOS_ICU_D	Number of days spent in Intensive Care Unit(s) related to the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_WARD_D	Number of days spent in ward(s) in hospital related to the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_CCU_Y	Number of days spent in Coronary Care Unit(s) in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_ICU_Y	Number of days spent in Intensive Care Unit(s) in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_WARD_Y	Number of days spent in ward(s) in hospital in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_TRANS	Number of interhospital transports	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_XRAY	Number of x-rays performed in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_ECHO	Number of echos performed in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_ANGIO	Number of coronary angiograms performed in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_MRI	Number of MRI's performed in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
HOS_CT	Number of CT scans performed in the year after the OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
POST_NURSING	Number of days in nursing homes in one year after OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
POST_REHAB	Number of days in rehabilitation centers in one year after OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
POST_READMIS	Number of days readmitted to hospital in one year after OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	

POST_GP	Number of visits to general practitioner in one year after OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
POST_CARDIO	Number of visits to cardiologist in one year after OHCA	Integer	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_SURV_3M	3 month survival	Choice	-3 NA; -2 not recorded; -1 unknown; 0 no; 1 yes	
RES_SURV_CPC	CPC score at hospital discharge	Choice	-3 NA; -2 not recorded; -1 unknown; 1 CPC 1; 2 CPC 2; 3 CPC 3; 4 CPC 4; 5 CPC 5	
RES_SURV_MRS	MRS score at hospital discharge	Choice	-3 NA; -2 not recorded; -1 unknown; 0 MRS 0; 1 MRS 1; 2 MRS 2; 3 MRS 3; 4 MRS 4; 5 MRS 5; 6 MRS 6	
RES_SURV_12SF	12-Item Short Form Survey (SF-12) at 6 months after OHCA	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_SURV_36SF	36-Item Short Form Survey (SF-36) at 6 months after OHCA	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_SURV_EQ5D_6M	EuroQol five dimensions questionnaire (EQ-5D) at 6 months after OHCA	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	
RES_SURV_EQ5D_12M	EuroQol five dimensions questionnaire (EQ-5D) at 12 months after OHCA	Float	numeric, or: -3 NA; -2 not recorded; -1 unknown	

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VARIABLE	DESCRIPTION	TYPE	CODING	COMMENT
ID_PA	Internal code	Text		Unique patient identifier for ESCAPE-NET, different from patient identifier in local cohort (cohort keeps key)
ID_EVENT	Event number	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first event; 2 second event; 3 third event; 4 fourth event; 5 fifth event; 6 sixth event	Included to discriminate between multiple events for the same patient
SES_Q_INC	Individual level disposable household income in quintiles	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile	
SES_Q_INC_EQ	Individual level equivalised level disposable household income in quintiles	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile	
SES_Q_INC_OHS	Disposable household income categories (3) per month in Gulden	Choice	-3 NA; -2 not recorded; -1 unknown; 1 ≤ f 1500; 2 f 1500-3000; 3 ≥ f 3000	
SES_Q_INC_CCHS	Income categories (6) per month in Danish Krones	Choice	-3 NA; -2 not recorded; -1 unknown; 1< 100,000 DKR; 2 100,000-200,000 DKR; 3 200,000-400,000 DKR; 4 400,000-600,000 DKR; 5 600,000-800,000 DKR; 6 >800,000 DKR	

SES_Q_INC_EPP3	Income categories (7) per month in Euros	Choice	-3 NA; -2 not recorded; -1 unknown; 1 ≤ €500; 2 €500-1000; 3 €1000-1500; 4 €1500-2000; 5 €2000-2500; 6 2500-3000; 7 ≥€3000	
SES_Q_ISCED	Education ISCED categories (9)	Choice	-3 NA; -2 not recorded; -1 unknown; 0 ISCED 0; 1 ISCED 1; 2 ISCED 2; 3 ISCED 3; 4 ISCED 4; 5 ISCED 5; 6 ISCED 6; 7 ISCED 7; 8 ISCED 8	Highest attained (preferably with diploma). If not able to code, code as missing
SES_Q_EDU	Education categories (3) according to ISCED classification	Choice	-3 NA; -2 not recorded; -1 unknown; 1 ISCED 0-2; 2 ISCED 3-4; 3 ISCED 5-8	Highest attained (preferably with diploma).
SES_Q_OHS_NHS	Education raw data OHS, NHS & PSI	Choice	-3 NA; -2 not recorded; -1 unknown; 1 no education; primary education; 3 lower secondary education; 4 upper secondary; 5 lower tertiary; 6 upper tertiary; 7 university degree	
SES_Q_DCS	Education raw data DCS	Choice	-3 NA; -2 not recorded; -1 unknown; 1 no education; 2 primary education; 3 Secondary education or practical training; 4 Prevocational secondary education; 5 Vocational training ; 6 General secondary education, or pre-university education; 7 Professional university education or university	
SES_Q_CCHS	Education raw data CCHS-JT	Choice	-3 NA; -2 not recorded; -1 unknown; 1 no education; 2 Skilled worker; 3 Apprentice; 4 Short education (<1 year); 5 Practical education 1-3 years; 6 3 years of education (technician, pedagogue); 7 Higher education; 8 Academic	

SES_Q_EPP3	Education raw data EPP3	Choice	-3 NA; -2 not recorded; -1 unknown; 1 I don't know French; 2 Without diploma (equivalent to no education); 3 ≤9 years of education (up until middle school);4 ≤12 years of education; 5 12-14 years education (high school); 6 Degree, master and +	
SES_Q_YEARSEDU	years in education integer	Integer	numeric value, or: -3 NA; -2 not recorded; -1 unknown	Use standard/average time without repeated years
SES_Q_MOTHER	highest attained education level of biological mother	Choice	-3 NA; -2 not recorded; -1 unknown; 1 None or a short education ; 2 1-3 years; 3 >3 years (ie: teacher, nurse); 4 Academic education	
SES_Q_FATHER	highest attained education level of biological father	Choice	-3 NA; -2 not recorded; -1 unknown; 1 None or a short education ; 2 1-3 years; 3 >3 years (ie: teacher, nurse); 4 Academic education	
SES_Q_ISCO	occupation (ISCO-08 classification)	Choice	-3 NA; -2 not recorded; -1 unknown; 1 Managers; 2 Professional; 3 Technicians and associate professionals; 4 Clerical support workers; 5 Service and sales workers; 6 Skilled agricultural, forestry and fishery workers; 7 Craft and related trades workers; 8 Plant and machine operators, and assemblers; 9 Elementary occupations; 10 Armed forces occupations	Use current occupation (at time of the measurement). For unemployed use last occupation
SES_Q_OCC_CCHS	occupation categories CCHS-JT	Choice	-3 NA; -2 not recorded; -1 unknown; 1 Independent (farming, crafts, retail, production) ; 2 Entrepreneur within liberal professions; 3 Salaried worker; 4 Subordinate salaried worker; 5 Skilled worker; 6 Unskilled worker; 7	

				Unemployed; 8 Senior citizen; 9 Stay-at-home	
SES_Q_OCC_INSEE	Social professional categories (INSEE)	Choice	-3 NA; -2 not recorded; -1 unknown; 1 not currently working(of working age but unemployed); 2 not currently working (pensioner); 3 paid work (either self-employed or employed); 4 without professional activity	
SES_Q_EMP	Current employment/paid work	Choice	-3 NA; -2 not recorded; -1 unknown; 1 paid work (either self-employed or employed); 2 not currently working (of working age but unemployed); 3 not currently working (pensioner); 4 not currently working (student); 5 not currently working (disability allowance)	Code here whether person is working, regardless of occupation
SES_AREA_INC	mean area level disposable household income in quintiles	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile	
SES_AREA_INC_EQ	mean area equivalised level disposable household income in quintiles	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile	
SES_AREA_EDU	% of population in area in top tier ISCED (5-8) in quintiles	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile	
SES_AREA_EMP	% of population aged > 15 in area who during the reference week performed work (even 1 hour) for financial gain in quintiles	Choice	-3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile	

| SES_OHCALOC_INC | mean area level of OHCA location disposable household income in quintiles | Choice | -3 NA; -2 not recorded; -1 unknown; 1 first quintile; 2 second quintile; 3 third quintile; 4 fourth quintile; 5 fifth quintile | |

Revision history

- *Version Mai 14, 2020 SK*
- *2020-10-22: SMK*
- *2020-11-09: SMK (rm ID_GWAS, inc. Lombardia)*