EAVE II Data Dictionary

EAVE II Analysts

12 January, 2021

Contents

1 GP Data Demographics

1.1 Data information

Description	Baseline GP extract on all patients and their key demographics
Datafile	EAVE_demographics.rds
Type	Cleaned
Data sources	GP data
Scripts	NA
Update frequency	Bi-monthly to 3 months
Update timesamps	NA
Analyses used	NA

1.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EAVE_LINKNO	EAVE Link Number	Randomly assigned study index number	character	GP data	EAVE(7)digits (e.g. EAVE1234567)	NA	NA
ageYear	Age	Age in years	integer	GP data	Min= 0, Max= 120	NA	NA
Sex	Sex	Sex at birth	character	GP data	F, M	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
simd2020_sc_quintile	SIMD Quintile	Scottish Index of Multiple Deprivation (SIMD) Quintile (2020)	integer	GP data	1,2,3,4,5	NA	NA
ur6_2016	Urban/Rural classification	Urban/Rural 6-fold classification	integer	GP data	1,2,3,4,5,6	NA	NA
ur6_2016_name	Urban/Rural classification name	Urban/Rural 6-fold classification	character	GP data	1 Large Urban Areas, 2 Other urban Areas, 3 Accessible Small Towns, 4 Remote Small Towns, 5 Accessible Rural, 6 Remote Rural	NA	NA
hb2019	NHS Health Board Code	Codes of NHS Health Boards	character	GP data	S08000015, S08000016, S08000017, S08000019, S08000020, S08000022, S08000024, S08000025, S08000026, S08000028, S08000029, S08000030, S08000031, S08000032	NA	NA
hb2019name	NHS Health Board Name	Names of NHS Health Boards	character	GP data	NHS Ayrshire and Arran, NHS Borders, NHS Dumfries and Galloway, NHS Fife, NHS Forth Valley, NHS Grampian, NHS Greater Glasgow and Clyde, NHS Highland, NHS Lanarkshire, NHS Lothian, NHS Orkney, NHS Shetland, NHS Tayside, NHS Western Isles	NA	NA

2 GP Diagnostics

2.1 Data information

Description	Baseline GP extract of all EAVE II risk groups
Datafile	NAME?
Type	Cleaned
Data sources	GP data
Scripts	NA
Update frequency	Bi-monthly to 3 months
Update timesamps	NA
Analyses used	NA

2.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EAVE_LINKNO	EAVE Link Number	Randomly assigned study index number	character	GP data	EAVE(7)digits (e.g. EAVE1234567)	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
diag	Diagnosis (GP cluster)	Medical diagnosis, clinical indicators and other health-related characteristics	character	GP data	EAVEII_dd_gp_clusters.xlsx	NA	NA

3 ECOSS

3.1 Data information

Description	Laboratory data on COVID-19 testing
Datafile	ECOSS_cohort.rds
Type	Cleaned
Data sources	ECOSS
Scripts	NA
Update frequency	NA
Update timesamps	NA
Analyses used	NA

3.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EAVE_LINKNO	EAVE Link Number	Randomly assigned study index number	character	ECOSS	EAVE(7)digits (e.g. EAVE1234567)	NA	NA
ECOSSID	ECOSS Link Number	Identifier	integer	ECOSS	8 digits (e.g. 12345678)	NA	NA
Sex	Sex	Sex at birth	character	ECOSS	F, M, U (Unknown)	NA	NA
AgeYear	Age	Age in years	integer	ECOSS	Min= 0, Max= 130	NA	NA
HealthBoard	NHS Health Board	Name abbreviation of NHS Health Boards	character	ECOSS	AA, BR, DG, FF, FV, GC, GR, HG, LN, LO, OR, SH, TY, UK (Uknown), WI	NA	NA
PostCode	Postcode	Postcode	character	ECOSS	7 digits/letters	NA	NA
LabSpecimenNo	Number of laboratory specimen	Number of laboratory specimen	character	ECOSS	11 digits/letters	NA	NA
Specimendate	date of specimen	date of specimen collection?	date	ECOSS	yyyy-mm-dd	NA	NA
OriginalOrganism	Original organism	Original organism - Coronavirus 2019 positive or negative	character	ECOSS	Coronavirus 2019-nCoV, Coronavirus 2019-nCoV negative	NA	NA
NCOV_RESULT	COVID-19 result	Novel Coronavirus result	character	ECOSS	Negative, Positive	NA	NA
result	Result	Result	integer	ECOSS	0, 1	NA	NA
SpecimenOrigin	Origin of specimen	Origin of specimen	character	ECOSS	Community, Drug Service, GP, GUM Clinic, H.M Prison, Hospital, Local Authority EH Dept, NHS- Other, Non-NHS-Other, Occupational Health, Private, Residential Care Homes	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EcossdateReceived	ECOSS date	date of laboratory result received by ECOSS?	date	ECOSS	yyyy-mm-dd	NA	NA
SubLab	Sub lab	Location and name of laboratory?	character	ECOSS	ABD:GHB, AYR:ARL, BOR:ARL, DEE:UNI, DMF:ROY, EDI:RVL, FIF:ARL, GIL:BAN, GLA:GJH, GLA:REV, INV:RAI, LAN:HAR, LAN:LAW, LAN:MON, NHS:COV, ORK:BAL, STI:ROY, WES:LES	NA	NA
SourceLab	Source lab	Location and name of laboratory?	character	ECOSS	ABD:ALB, ABD:GHB, ABD:ROY, AYR:ARL, BOR:ARL, DEE:UNI, DMF:ROY, DUN:ARL, EDI:ROY, EDI:RVL, EDI:SCH, EDI:UNI, EDI:WGH, FIF:ARL, GIL:BAN, GLA:GAR, GLA:GJH, GLA:NUF, GLA:REV, GLA:ROY, GLA:SCH, GLA:SCS, GLA:SGH, GLA:STR, GLA:UNI, GLA:VIC, GLA:WES, GLA:CLY, INV:RAI, LAN:ALL, LAN:HAR, LAN:LAW, LAN:MON, NHS:UKL, OBA:LAB, ORK:BAL, PAI:RAH, STI:ROY, WES:LES, WLO:BAN	NA	NA
Category	Category	category?	character	ECOSS	NA	NA	NA
KEYEMPLOYER	Key employer	Healthcare provider?	character	ECOSS	e.g. Angus Council	NA	NA
KEYWORKERTYPE	Key employer type	?	character	ECOSS	citizen, DARA, SELF, NA	NA	NA
CAREHOMEID	Care home ID	Care home identifier	character	ECOSS	NA	NA	NA
NRS.Reg.date	NRS registration date	National Records of Scotland registration date	date	ECOSS	yyyy-mm-dd	NA	NA
NRS.date.Death	NRS death date	National Records of Scotland death date	date	ECOSS	yyyy-mm-dd	NA	NA
death28	Death within 28 days	Death within 28 days of ?	integer	ECOSS	0, 1	NA	NA

4 Health Board Lookup

4.1 Data information

Description	Lookup of NHS Scotland Healthboards and the total population
Datafile	HB2019_pop_lookup.rds
Type	Lookup
Data sources	PHS lookup file
Scripts	NA
Update frequency	NA
Update timesamps	NA
Analyses used	NA

4.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
year	Year	Year of the lookup file used to determine the Health Boards	integer	Health board lookup	2019	NA	NA
hb2019	Health Board code 2019	Codes of NHS Health Boards in 2019	character	Health board lookup	S08000015, S08000016, S08000017, S08000019, S08000020, S08000022, S08000024, S08000025, S08000026, S08000028, S08000029, S08000030, S08000031, S08000032	NA	NA
hb2019name	Health Board name 2019	Names of NHS Health Boards in 2019	character	Health board lookup	NHS Ayrshire and Arran, NHS Borders, NHS Dumfries and Galloway, NHS Fife, NHS Forth Valley, NHS Grampian, NHS Greater Glasgow and Clyde, NHS Highland, NHS Lanarkshire, NHS Lothian, NHS Orkney, NHS Shetland, NHS Tayside, NHS Western Isles	NA	NA
hb2018	Health Board code 2018	Codes of NHS Health Boards in 2018	character	Health board lookup	S08000015, S08000016, S08000017, S08000019, S08000020, S08000022, S08000024, S08000025, S08000026, S08000028, S08000029, S08000030, S08000031, S08000032	NA	NA
hb2014	Health Board code 2014	Codes of NHS Health Boards in 2014	character	Health board lookup	S08000015, S08000016, S08000017, S08000019, S08000020, S08000022, S08000024, S08000025, S08000026, S08000028, S08000029, S08000030, S08000031, S08000033	NA	NA
age	Age	Age in years	integer	Health board lookup	Min= 0, Max= 90	NA	NA
sex	Sex (number)	Sex at birth	integer	Health board lookup	1, 2	NA	NA
sex_name	Sex	Sex at birth	character	Health board lookup	M, F	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
pop	Population	Number of people by year, Health Board, age and sex	integer	Health board lookup	e.g. 1508	NA	NA

5 Severe cases

5.1 Data information

Description	EAVE II severe cases and outcomes
Datafile	cases_severe_dates.rds
Type	Derived
Data sources	GP data, ECOSS, ???
Scripts	NA
Update frequency	NA
Update timesamps	NA
Analyses used	NA

5.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EAVE_LINKNO	EAVE Link Number	Randomly assigned study index number	character	GP data	EAVE(7)digits (e.g. EAVE1234567)	NA	NA
source	Source ID	source of ID (chi) most are from EAVE_demographics some only found in ECOSS	character	NA	EAVE_DEMOG or ECOSS	NA	NA
SPECIMENdate	Specimen date	NA	date	NA	date in format yyyy-mm-dd	NA	NA
CURRENT_POSTCODDE	Postcode	NA	character	case-control files	Postcode in pc7 format	NA	NA
is.case	?	NA	logic	case-control files	TRUE/FALSE (should all be true)	NA	NA
GP_PRAC_NO	GP Practice Number	NA	NA	NA	NA	NA	NA
date_OF_DEATH	date of death	NA	date	case-control files (from ? ECOSS, NRS?	date in format yyyy-mm-dd	NA	NA
covid_ucod	COVID	NA	numeric	NA	binary 0/1	NA	NA
covid_cod	COVID	NA	numeric	NA	binary 0/1	NA	NA
dead28	Death within 28 days	NA	numeric	NA	binary 0/1	NA	NA
RAPID	??	in RAPID dataset?	numeric	NA	binary 0/1	NA	NA
inhosp	In hospital	in hospital at time of test	numeric	NA	binary 0/1	NA	NA
icu	ICU admission	NA	numeric	NA	binary 0/1	NA	NA
hdu	HDU admission	NA	numeric	NA	binary 0/1	NA	NA
ICU_date	ICU admission date	date admitted to ICU	date	NA	date in format yyyy-mm-dd	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
days_to_icu	Days to ICU	days from test to admission to icu	numeric	NA	any +ve value	NA	NA
admission.date	Hospital admission date	date admitted to hospital	date	NA	date in format yyyy-mm-dd	NA	NA
days_2_hosp	Days to hospital	days from test to admission to hospital	numeric	NA	any +ve value (if testedbefore admission, value changed to 0)	NA	NA

6 Household identifier

6.1 Data information

Description	EAVE II Household from CHI registry
Datafile	EAVE_demographics.rds
Type	Derived
Data sources	CHILI
Scripts	NA
Update frequency	NA
Update timesamps	NA
Analyses used	NA

6.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EAVE_LINKNO	EAVE Link Number	Randomly assigned study index number	character	GP data	EAVE(7)digits (e.g. EAVE1234567)	NA	NA
date_address_changed.x	Address change date (March)	date address last changed (march)	numeric	CHILI	date as number yyyymmdd	NA	NA
date_address_changed.y	Address change data (September)	date address last changed (sept)	numeric	CHILI	date as number yyyymmdd	NA	NA
March_hid	Household ID (March)	Household ID number (valid for March CHILI extract)	NA	CHILI	NA	NA	NA
March_hid_count	Number of ID's in household (March)	N persons in household (March)	NA	CHILI	NA	NA	NA
March_transfer_out_date	Move or transfer date (March)	date moved out of scotland (from March CHILI extract)	date	CHILI	date	NA	NA
Sept_hid	Household ID (September)	Household ID number (valid for september extract)	numeric	CHILI	NA	NA	NA
Sept_hid_count	Number of ID's in household (September)	N persons in household (September)	numeric	CHILI	NA	NA	NA
Sept_transfer_out_date	Move or transfer date (September)	date moved out of scotland (from September CHILI extract)	date	CHILI	date	NA	NA

7 QCOVID

7.1 Data information

Description	EAVE II data for QCOVID validation analysis
Datafile	NAME?
Type	Derived
Data sources	GP data, ECOSS, HES ...
Scripts	NA
Update frequency	NA
Update timesamps	NA
Analyses used	NA

7.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
rowid	NA	UID for batch processor file	integer	n/a	n/a	NA	NA
sex	NA	Sex	integer	GP data or Patient demographic service	0:female; 1:male	NA	NA
age	NA	Age	integer	GP data or Patient demographic service	19-100	NA	NA
b2_82	NA	Have you been prescribed immunosuppressants prescribed by your GP	integer	GP data	0:false; 1:true	NA	NA
b2_leukolaba	NA	Are you taking anti-leukotriene or long acting beta2-agonists (LABA)?	integer	GP data	0:false; 1:true	NA	NA
b2_prednisolone	NA	Have you been prescribed oral steroids by your GP in the last 6 months?	integer	GP data	0:false; 1:true	NA	NA
b_AF	NA	Do you have atrial fibrillation?	integer	GP data	0:false; 1:true	NA	NA
b_CCF	NA	Do you have heart failure?	integer	GP data	0:false; 1:true	NA	NA
b_asthma	NA	Do you have asthma?	integer	GP data	0:false; 1:true	NA	NA
b_bloodcancer	NA	Have you a cancer of the blood or bone marrow such as leukaemia, myelodysplastic syndromes, lymphoma or myeloma and are at any stage of treatment?	integer	GP data	0:false; 1:true	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
b_cerebralpalsy	NA	Do you have cerebral palsy?	integer	GP data	0:false; 1:true	NA	NA
b_chd	NA	Do you have coronary heart disease?	integer	GP data	0:false; 1:true	NA	NA
b_cirrhosis	NA	Do you have cirrhosis of the liver?	integer	GP data	0:false; 1:true	NA	NA
b_congenheart	NA	Do you have congenital heart disease or have you had surgery for it in the past?	integer	GP data or HES (OPCS)	0:false; 1:true	NA	NA
b_copd	NA	Do you have chronic obstructive pulmonary disease (COPD)?	integer	GP data	0:false; 1:true	NA	NA
b_dementia	NA	Do you have dementia?	integer	GP data	0:false; 1:true	NA	NA
b_epilepsy	NA	Do you have epilepsy?	integer	GP data	0:false; 1:true	NA	NA
b_fracture4	NA	Have you had a prior fracture of hip, wrist, spine or humerus?	integer	GP data	0:false; 1:true	NA	NA
b_neurorare	NA	Do you have motor neurone disease, multiple sclerosis, myaesthenia, or Huntingtons's Chorea?	integer	GP data	0:false; 1:true	NA	NA
b_parkinsons	NA	Do you have Parkinson's disease?	integer	GP data	0:false; 1:true	NA	NA
b_pulmhyper	NA	Do you have pulmonary hypertension or pulmonary fibrosis?	integer	GP data	0:false; 1:true	NA	NA
b_pulmrare	NA	Do you have cystic fibrosis or bronchiectasis or alveolitis?	integer	GP data	0:false; 1:true	NA	NA
b_pvd	NA	Do you have peripheral vascular disease?	integer	GP data	0:false; 1:true	NA	NA
b_ra_sle	NA	Do you have rheumatoid arthritis or SLE?	integer	GP data	0:false; 1:true	NA	NA
b_respcancer	NA	Do you have lung or oral cancer?	integer	GP data	0:false; 1:true	NA	NA
b_semi	NA	Do you have severe mental illness?	integer	GP data	0:false; 1:true	NA	NA

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
b_sicklecelldisease	NA	Do you have sickle cell disease or severe combined immune deficiency syndromes?	integer	GP data	0:false; 1:true	NA	NA
b_stroke	NA	Have you had a stroke or TIA?	integer	GP data	0:false; 1:true	NA	NA
diabetes_cat	NA	Do ypou have diabetes?	integer	GP data	0:none; 1:Type 1; 2:Type 2	NA	NA
b_vte	NA	Have you had a thrombosis or pulmonary embolus?	integer	GP data	0:false; 1:true	NA	NA
bmi	NA	Body Mass Index	double	GP data	double	NA	NA
chemocat	NA	Have you had chemotherapy in the last 12 months?	integer	SACT	0:none; 1: Group A; 2: Group B; 3: Group C	NA	NA
ethnicity	NA	What is your ethnic group?	integer	GP data	0 -> 17	NA	NA
homecat	NA	what is your housing category - care home or homeless or neither?	integer	GP data	0: neither; 1: care home; 2: homeless	NA	NA
learncat	NA	Do you have a learning disability or Down's Syndrome?	integer	GP data	0: neither; 1: learning disability; 2: Down's	NA	NA
p_marrow6	NA	Have you had a bone marrow or stem cell transplant in the last 6 months?	integer	HES (OPCS)	0:false; 1:true	NA	NA
p_radio6	NA	Have you had radiotherapy in the last 6 months?	integer	Radiotherapy Data Set (RTDS) OR HES (OPCS)	0:false; 1:true	NA	NA
p_solidtransplant	NA	Have you had a solid organ transplant (lung, liver, somach, pancreas, spleen, heart or thymus)?	integer	HES	0:false; 1:true	NA	NA
renalcat	NA	Do you have kidney disease?	integer	GP data and HES (OPCS)	0->5	NA	NA
town	NA	What is your postcode?	double	QCovid Postcode Table	double (nullable)	NA	NA
Postcode	NA	NA	string	NA	string (nullable)	NA	NA