

EAVE II Data Dictionary

EAVE II Analysts

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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

(continued)

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 (2016 classification)	integer	GP data	1,2,3,4,5,6	NA	NA
ur6_2016_name	Urban/Rural classification name	Urban/Rural 6-fold classification (2016 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 2019 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 2019 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

(continued)

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.xls	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	??
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 (Unknown), 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

(continued)

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
EcosdateReceived	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	??
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

(continued)

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	??
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)	character	GP data, ECOSS	EAVE_DEMOG, ECOSS	NA	NA
SPECIMENdate	Specimen date	Date of test?	date	ECOSS?	date in format yyyy-mm-dd	NA	NA
CURRENT_POSTCODDE	Postcode	Postcode of ?? (patient?)	character	case-control files	Postcode in pc7 format	NA	NA
is.case	?	?	logic	case-control files	TRUE/FALSE (should all be true)	NA	NA
GP_PRAC_NO	GP Practice Number	GP Practice Number assigned to every GP (is this a standard thing?)	NA	NRS Deaths?	NA	NA	NA
date_OF_DEATH	Date of death	Date of patients death	date	case-control files (from ? ECOSS, NRS?	date in format yyyy-mm-dd	NA	NA
covid_ucod	COVID	?	numeric	?	0,1	NA	NA
covid_cod	COVID	?	numeric	?	0,1	NA	NA
dead28	Death within 28 days	Indicator of whether patient has died within 28 days of ? Test? Hospitalisation?	numeric	?	0,1	NA	NA
RAPID	??	in RAPID dataset?	numeric	?	0,1	NA	NA

(continued)

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
inhosp	In hospital	Indicator whether patient was admitted to hospital at time of test	numeric	?	0,1	NA	NA
icu	ICU admission	Indicator of whether patient was admitted to Intensive Care Unit (ICU)	numeric	?	0,1	NA	NA
hdu	HDU admission	Indicator of whether patient was admitted to High Dependency Unit (HDU)	numeric	?	0,1	NA	NA
ICU_date	ICU admission date	Date admitted to ICU	date	?	date in format yyyy-mm-dd	NA	NA
days_to_icu	Days to ICU	Number of days from test to admission to ICU	numeric	?	any +ve value	NA	NA
admission.date	Hospital admission date	Date admitted to hospital	date	?	date in format yyyy-mm-dd	NA	NA
days_2_hosp	Days to hospital	Number of days from test to admission to hospital	numeric	?	any +ve value (if tested before 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	??
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 when address changed (March update)	numeric	CHILI	date as number yyyymmdd	NA	NA

(continued)

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
date_address_changed.y	Address change data (September)	Date when address changed (September update)	numeric	CHILI	date as number yyyymmdd	NA	NA
March_hid	Household ID (March)	Household ID number (March update)	numeric	CHILI	Structure of IDs?	NA	NA
March_hid_count	Number of ID's in household (March)	Number of people in household (March update)	numeric	CHILI	any +ve whole number	NA	NA
March_transfer_out_date	Move or transfer date (March)	Date when resident moved out of scotland (March update)	date	CHILI	date	NA	NA
Sept_hid	Household ID (September)	Household ID number (September update)	numeric	CHILI	Structure of IDs?	NA	NA
Sept_hid_count	Number of ID's in household (September)	Number of people in household (September update)	numeric	CHILI	any +ve whole number	NA	NA
Sept_transfer_out_date	Move or transfer date (September)	Date when resident moved out of scotland (September update)	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	??
Update timesamps	NA
Analyses used	NA

7.2 Variable information

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
rowid	Row ID	UID for batch processor file	integer	n/a	n/a	NA	NA
sex	Sex	Sex	integer	GP data or Patient demographic service	0:female; 1:male	NA	NA

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Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
age	Age	Age	integer	GP data or Patient demographic service	19-100	NA	NA
b2_82	Prescribed immunosuppressants indicator	Have you been prescribed immunosuppressants prescribed by your GP	integer	GP data	0:false; 1:true	NA	NA
b2_leukolaba	Anti-leukotriene or long acting beta2-agonists (LABA) indicator	Are you taking anti-leukotriene or long acting beta2-agonists (LABA)?	integer	GP data	0:false; 1:true	NA	NA
b2_prednisolone	Oral steroid indicator	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	Atrial fibrillation indicator	Do you have atrial fibrillation?	integer	GP data	0:false; 1:true	NA	NA
b_CCF	Heart failure indicator	Do you have heart failure?	integer	GP data	0:false; 1:true	NA	NA
b_asthma	Asthma indicator	Do you have asthma?	integer	GP data	0:false; 1:true	NA	NA
b_bloodcancer	Cancer of the blood or bone marrow and are at any stage of treatment indicator	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
b_cerebralpalsy	Cerebral palsy indicator	Do you have cerebral palsy?	integer	GP data	0:false; 1:true	NA	NA
b_chd	Coronary heart disease indicator	Do you have coronary heart disease?	integer	GP data	0:false; 1:true	NA	NA
b_cirrhosis	Cirrhosis of the liver indicator	Do you have cirrhosis of the liver?	integer	GP data	0:false; 1:true	NA	NA
b_congenheart	Congenital heart disease or had surgery for it in the past indicator	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	Chronic obstructive pulmonary disease (COPD) indicator	Do you have chronic obstructive pulmonary disease (COPD)?	integer	GP data	0:false; 1:true	NA	NA
b_dementia	Dementia indicator	Do you have dementia?	integer	GP data	0:false; 1:true	NA	NA
b_epilepsy	Epilepsy indicator	Do you have epilepsy?	integer	GP data	0:false; 1:true	NA	NA
b_fracture4	A prior fracture of hip, wrist, spine or humerus indicator	Have you had a prior fracture of hip, wrist, spine or humerus?	integer	GP data	0:false; 1:true	NA	NA

(continued)

Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
b_neurorare	Motor neurone disease, multiple sclerosis, myaesthesia, or Huntingtons's Chorea indicator	Do you have motor neurone disease, multiple sclerosis, myaesthesia, or Huntingtons's Chorea?	integer	GP data	0:false; 1:true	NA	NA
b_parkinsons	Parkinson's disease indicator	Do you have Parkinson's disease?	integer	GP data	0:false; 1:true	NA	NA
b_pulmhyper	Pulmonary hypertension or pulmonary fibrosis indicator	Do you have pulmonary hypertension or pulmonary fibrosis?	integer	GP data	0:false; 1:true	NA	NA
b_pulmrare	Cystic fibrosis or bronchiectasis or alveolitis indicator	Do you have cystic fibrosis or bronchiectasis or alveolitis?	integer	GP data	0:false; 1:true	NA	NA
b_pvd	Peripheral vascular disease indicator	Do you have peripheral vascular disease?	integer	GP data	0:false; 1:true	NA	NA
b_ra_sle	Rheumatoid arthritis or SLE indicator	Do you have rheumatoid arthritis or SLE?	integer	GP data	0:false; 1:true	NA	NA
b_respcancer	Lung or oral cancer indicator	Do you have lung or oral cancer?	integer	GP data	0:false; 1:true	NA	NA
b_semi	Severe mental illness indicator	Do you have severe mental illness?	integer	GP data	0:false; 1:true	NA	NA
b_sicklecelldisease	Sickle cell disease or severe combined immune deficiency syndromes indicator	Do you have sickle cell disease or severe combined immune deficiency syndromes?	integer	GP data	0:false; 1:true	NA	NA
b_stroke	A stroke or TIA indicator	Have you had a stroke or TIA?	integer	GP data	0:false; 1:true	NA	NA
diabetes_cat	Diabetes indicator	Do you have diabetes?	integer	GP data	0:none; 1:Type 1; 2:Type 2	NA	NA
b_vte	A thrombosis or pulmonary embolus indicator	Have you had a thrombosis or pulmonary embolus?	integer	GP data	0:false; 1:true	NA	NA
bmi	BMI	Body Mass Index	double	GP data	double	NA	NA
chemocat	Chemotherapy in the last 12 months indicator	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	Ethnic group	What is your ethnic group?	integer	GP data	0 -> 17	NA	NA
homecat	Housing category	what is your housing category - care home or homeless or neither?	integer	GP data	0: neither; 1: care home; 2: homeless	NA	NA

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Name	Label	Description	Type	Data source	Values	Derived variable	Derivation hierarchy
learnecat	Learning disability or Down's Syndrome indicator	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	Bone marrow or stem cell transplant in the last 6 months indicator	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	Radiotherapy in the last 6 months indicator	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	Solid organ transplant indicator	Have you had a solid organ transplant (lung, liver, somach, pancreas, spleen, heart or thymus)?	integer	HES	0:false; 1:true	NA	NA
renalcat	Kidney disease indicator	Do you have kidney disease?	integer	GP data and HES (OPCS)	0->5	NA	NA
Postcode	Postcode	What is your postcode?	double	QCovid Postcode Table	double (nullable)	NA	NA
town	Town	Town associated with postcode	string	NA	string (nullable)	NA	NA