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Northern Ireland Mortality Study Metadata

NILS-RSU

NIMS_RSU_FEB2018

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1. Introduction

This document should be used in conjunction with the Data Dictionary which provides the value labels for all the variables within the NIMS tables.

This document includes a description of variables and some value labels that are essential for the understanding of the NIMS structure.

The combined information provides the metadata for the NIMS databases.

The owner of this document is NILS-RSU and any changes to the document should be suggested to NILS-RSU who will make amendments if required.

Current Database Structure

The NIMS contains links for the enumerated population of Northern Ireland from the 1991, 2001 and 2011 Census' to registered mortality data from the General Register Office (GRO). Within this database, there are static Person and Household data sets for each Census link, as well as a linkage table to a Deaths information table. This is updated on an annual basis as new death data becomes available. The Death Links table also contains a NIMS indicator field, signifying which of the NIMS studies established this link (i.e. to which Census this death link was established). The database also contains Property information taken from Pointer downloads and a Death Details (x-file) table which is available on request.

Any changes to the structure of the NIMS, addition of new variables, etc. must be identified by NILS-Core and NILS-RSU as soon as possible and a decision made by NILS-Core about whether these changes should be added to the database.

Date of Registration vs. Date of Occurrence for Events

Deaths have 2 different dates associated with them. One is the date of the event taking place (i.e. date of death) called the Occurrence Date and the other is the date of registration (i.e. the date the event was registered with the Registrar in the local offices).

Statistics on the number of events by Date of Registration do not change. Statistics on the number of events by Date of Occurrence will change because of late registrations of events.

The Northern Ireland Registrar General's annual report and other Vital Event publications use the Date of Registration to produce the finalised fixed number of events. The Vital Events statistical coded data are not finalised until after the publication of the Registrar General's annual report. This is because an intense QA process takes place verifying any anomalies in the data.

Date-Stamped Database

A NIMS database is planned for release once a year, after new data has been released. The databases are called NIMS_RSU_MMMYYYY.

2. Metadata for DEATHLINKS

Table Name:	DEATHLINKS
Table Description:	The DEATHLINKS table contains a lookup of Census IDs to GRO Death IDs. The table also contains a NIMS value, indicating which of the three NIMS studies this record belongs to (i.e. to which Census this death link was established)
Source of the Data:	GRO
Number of Records:	357615
Currency of the Data:	Latest information included for 201612 (YYYYMM). New data will become available by the end of January each year.
Unique Identifier:	GRODID
Tables Linked to:	Via GRODID: DEATHSSTATS Via CENSUSPID: CENSUSP_1991, CENSUSP_2001, CENSUSP_2011 (Census year indicated by NIMS field) Via CENSUSHID: CENSUSHH_1991, CENSUSHH_2001, CENSUSHH_2011 (Census year indicated by NIMS field)

Variables

Variable Name	Variable Description	Variable Values
CENSUSPID	System generated unique reference number for the Census person record	
CENSUSHID	System generated unique reference number for the Census household record	
GRODID	System generated unique reference number for death event	
NIMS	Indicates which Census the death record has been linked to	NIMS91 - Death record linked to the 1991 Census NIMS01 - Death record linked to the 2001 Census NIMS11 - Death record linked to the 2011 Census

Additional Information for DEATHLINKS

NIMS91

This is the newest linkage to be added to NIMS. The NIMS91 is based on 1991 Census returns for the entire enumerated population within Northern Ireland. This data is subsequently linked to deaths registered by GRO. The NIMS91 spans over 11 years and provides a full link of deaths from 1991-2001 (inclusive) to 1991 Census records. All records within the DEATHSLINKS table with a NIMS indicator of 'NIMS91' are part of the NIMS91 study.

NIMS01

The NIMS01 study was previously known as 'NIMS'. This is the original study that links the 2001 Census returns for the entire enumerated population within Northern Ireland to deaths registered by GRO. The NIMS01 spans over 11 years and provides a full link of deaths from 2001-2011 (inclusive) to 2001 Census records. All records within the DEATHSLINKS table with a NIMS indicator of 'NIMS01' are part of the NIMS01 study.

NIMS11

The NIMS11 is based on 2011 Census returns for the entire enumerated population within Northern Ireland. This data is subsequently linked to deaths registered by GRO. The NIMS11 is a currently active link, spanning from 2011-to date. The DEATHSLINKS and DEATHSSTATS tables will be updated with more matches on an annual basis, as new deaths data is received from GRO. By the end of 2021, NIMS11 will provide a full link of deaths from 2011-2021 (inclusive) to 2011 Census records. All records within the DEATHLINKS table with a NIMS indicator of 'NIMS11' are part of the NIMS11 study.

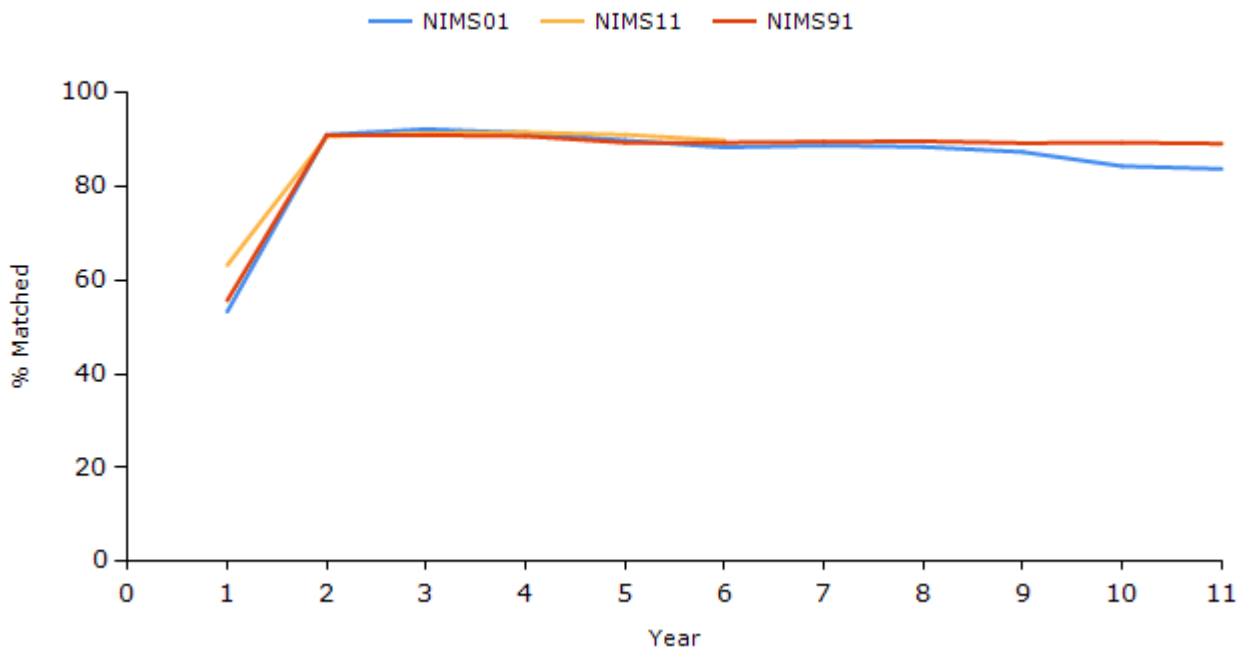
Registration Year	Matched	Total	% Distribution
1991	8407	15095	55.7
1992	13631	14988	90.9
1993	14206	15629	90.9
1994	13712	15113	90.7
1995	13678	15310	89.3
1996	13587	15218	89.3
1997	13393	14971	89.5
1998	13431	14993	89.6
1999	13969	15663	89.2
2000	13301	14903	89.3
2001	12935	14513	89.1

DEATHLINKS - TABLE 2 - NIMS01 - DEATHLINKS by Registration Year			
Registration Year	Matched	Total	% Distribution
2001	7741	14513	53.3
2002	13266	14586	91.0
2003	13341	14462	92.2
2004	13123	14354	91.4
2005	12779	14224	89.8
2006	12833	14532	88.3
2007	13000	14649	88.7
2008	13182	14907	88.4
2009	12577	14413	87.3
2010	12184	14457	84.3
2011	11891	14204	83.7

DEATHLINKS - TABLE 3 - NIMS11 - DEATHLINKS by Registration Year			
Registration Year	Matched	Total	% Distribution
2011	8971	14204	63.2
2012	13365	14756	90.6
2013	13673	14968	91.3
2014	13431	14678	91.5
2015	14153	15548	91.0
2016	13855	15430	89.8

The graph below shows the percentage of records matched within each year of NIMS. The match rate within the first year of each study is significantly reduced in comparison to subsequent years. This is due to Census records only being available from April of these years, therefore any deaths registered prior to this will not be linked to a Census record.

DEATHLINKS - Graph 1 - Match Rate of NIMS by Year



3. Metadata for DEATHSSTATS

Table Name:	DEATHSSTATS
Table Description:	This gives statistical coded information for death registration. This information is provided by the informant at the time of death and coded/validated by the teams in GRO and Demographic Statistics.
Source of the Data:	GRO
Number of Records:	342698
Currency of the Data:	Latest information included for 201612 (YYYYMM). At each new data release more deaths will be included.
Unique Identifier:	GRODID
Tables Linked to:	Via GRODID: DEATHLINKS

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

GRODID	AGE	HYPERTENSION	SEX
REGDIST	REGDIST2014	ICD10CHAP	SOA_PLACE
REGMNTN	COUNTRYOFBIRTH	MAINCAUSE	SOA_USRES
REGYR	COUNTRYOFUSUALRESIDENCE	MARITAL	SOCIALCLASS
BRTHMNTN	EMPSTAT	OCCCDE	SOCIALCLASS01
BRTHYR	EMPSTAT05	OUTSIDENI	TYPEOFDT
DTHMNTN	HMEDIST	PLACEOFDEATHCODED	TYPEOFDT05
DTHYR			

Additional Information for DEATHSSTATS

DATE OF DEATH

The following tables show distribution of date of death by year and month for each of the NIMS. There are no records for the first quarter of 2001 as the beginning of the NIMS01 study aligns with the Census of this year.

DEATHSSTATS – Table 1 – NIMS91 Distribution of Death by DTHYR and DTHMNTH													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1991	53	43	53	379	1109	1095	1013	899	1007	1074	1116	1270	9111
1992	1295	1311	1240	1028	1161	1031	1084	1031	1070	1140	1097	1297	13785
1993	1213	1057	1257	1210	1211	1069	1117	1065	1077	1175	1347	1438	14236
1994	1375	1116	1212	1126	1158	1122	1080	1012	1082	1153	1089	1254	13779
1995	1343	1126	1283	1112	1105	1045	1042	1066	1005	1089	1178	1440	13834
1996	1382	1200	1208	1005	1116	981	1057	979	1048	1101	1111	1257	13445
1997	1517	1136	1137	1015	1123	997	1090	984	1016	1015	1085	1261	13376
1998	1296	1143	1267	1187	1080	1069	1074	1097	1023	1066	1065	1246	13613
1999	1622	1297	1296	1084	1052	1024	1052	1015	988	1102	1052	1583	14167
2000	1670	1102	1022	1064	1064	984	975	927	969	1047	1027	1090	12941
2001	1242	992	1163	1020	1013	936	936	939	993	1007	963	759	11963

DEATHSSTATS – Table 2 – NIMS01 Distribution of Death by DTHYR and DTHMNTH													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2001	0	1	0	99	987	1008	1025	1059	1072	1124	1106	1182	8663
2002	1283	1148	1181	1067	1072	1031	1091	1107	1030	1131	1155	1234	13530
2003	1311	1196	1125	1042	1097	1050	1058	1039	1061	1154	1207	1196	13536
2004	1286	1141	1117	1132	1130	989	1063	1045	985	1109	1031	1180	13208
2005	1171	1098	1215	1062	1103	1052	960	960	939	1007	1030	1099	12696
2006	1175	1081	1244	1113	989	1014	1053	963	995	1046	1048	1092	12813
2007	1229	1195	1177	1063	1037	1010	979	986	872	1086	1042	1183	12859
2008	1323	1080	1227	1086	970	984	1013	932	991	1000	1057	1332	12995
2009	1365	1043	1084	1019	960	968	926	919	973	961	989	1161	12368
2010	1235	1010	1056	926	941	910	867	929	904	1019	1048	1194	12039
2011	1160	909	1009	979	934	906	878	932	886	919	865	833	11210

DEATHSSTATS – Table 3 – NIMS11 Distribution of Death by DTHYR and DTHMNTH													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2011	19	16	219	1001	1071	1002	984	1025	976	1043	1073	1200	9629
2012	1243	1098	1247	1134	1149	1028	1002	1041	1034	1083	1101	1284	13444
2013	1340	1165	1344	1249	1120	1003	1071	1038	991	1087	1083	1144	13635
2014	1263	1168	1187	1140	1008	951	1038	1120	1090	1129	1104	1259	13457
2015	1470	1267	1261	1161	1123	1121	1024	997	1090	1183	1092	1293	14082
2016	1323	1168	1169	1113	1087	1065	1077	1027	1021	1094	1102	955	13201

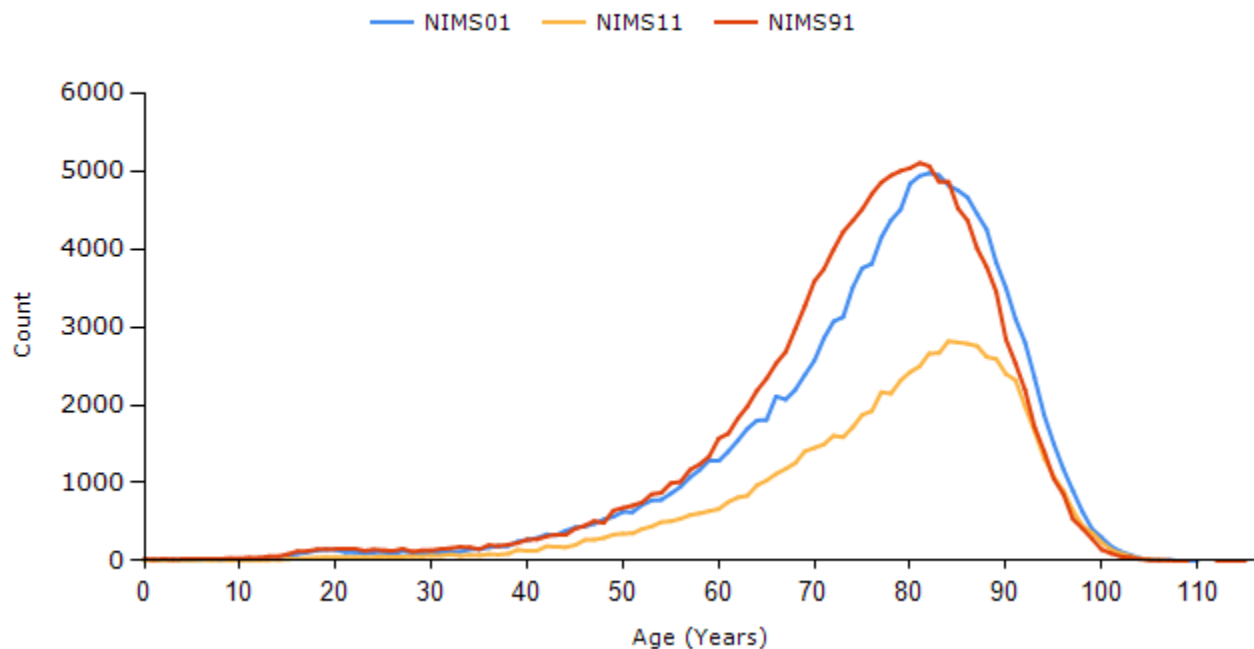
AGE AT DEATH

The following figures show the distribution of deaths in Northern Ireland by age and gender for each of the NIMS. As the below figure indicates, the average age of death is steadily increasing through each of the NIMS studies.

DEATHSSTATS_NIMS - Table 4 - Average Age of Death (by Gender)		
1 NIMS91	M	71
	F	77
	All	74
2 NIMS01	M	73
	F	78
	All	75
3 NIMS11	M	74
	F	79
	All	77

The graph below shows the distribution of age of death within each of the NIMS studies. The age of death is steadily increasing for both males and females throughout each of the NIMS, and the average age of death is currently 3 years later than it was within NIMS91.

DEATHSSTATS - Graph 1 - Distribution of Death by Age



4. Metadata for NIMS CENSUSHH_1991

Table Name:	CENSUSHH_1991
Table Description:	This table gives statistical coded household information from the 1991 census for the enumerated population.
Source of the Data:	1991 Census
Number of Records:	531324
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSHID
Tables Linked to:	Via CENSUSHID: CENSUSP_1991 (to get other household members)

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENSUSHID9	NOFEMLURH9	BATHSHOWH9	PENSCOMBH9
RECTYPEH9	NOPERURH9	TOILETH9	MIGDETH9
DISTRICTH9	NOPERUR2H9	HEATINGH9	MIGDISTH9
WARDH9	ESTTYPEH9	WATERH9	SEGCESH9
ELBH9	DWELTYPEH9	SEWAGEH9	USADDHHH9
HSSBH9	ACCTYPEH9	NOCARH9	GENDERHHH9
NUTS3H9	ACCDWELH9	FAMTYPEH9	AGEHHH9
PARLCONH9	ACCDWEL2H9	PENSHOUSH9	MARHHH9
NOMALEH9	TENUREH9	AGECOMBH9	COBHHH9
NOFEMH9	SHARACCH9	NOEARNH9	RELHHH9
NOPERSH9	NOROOMH9	NOEARN1H9	MIGD1H9
NOPER2H9	NOROOM1H9	NODECHH9	SOA2001H9
NOMALEURH9	DENSITYH9	NODECH1H9	SOA2001_OldH9

5. Metadata for NIMS CENSUSP_1991

Table Name:	CENSUSP_1991
Table Description:	This table gives statistical coded person information from the 1991 census for the enumerated population.
Source of the Data:	1991 Census
Number of Records:	1613541
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSPID
Tables Linked to:	Via CENSUSHID: CENSUSHH_1991 (to get other household members)

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENSUSPID9	COB1P9	ECACMARWP9	TEN60P9
CENSUSHID9	RELIGIONP9	MWPTEMP9	AMEN60P9
RECTYPP9	RELIGN1P9	SOCCODEP9	NOPER2P9
DISTRICTP9	IRISHP9	MAJOCCP9	NOPERUR2P9
WARDP9	LTILLP9	SOCCLASSP9	ESTTYPEP9
SOA2001P9	RELATIONP9	SOCCLAS2P9	DWELTYPEP9
SOA2001_OLDP9	WHEREP9	TRANSPORP9	ACCTYPEP9
PERSNOP9	TOTCHILDP9	WKADDCDP9	ACCDWELP9
ELBP9	LYCHILDP9	WK_SOA2001P9	TENUREP9
HSSBP9	TERMCODEP9	WK_SOA2001_OLDP9	SHARACCP9
NUTS3P9	UALYCODEP9	FIRQUALP9	NOROOM1P9
PARLCONP9	MIGTYPE1P9	SECQUALP9	DENSITYP9
USADDCP9	PRIMARYP9	THIRQUALP9	NOCARP9
GENDER1P9	SECONDP9	FOURQUALP9	FAMTYPEP9
GENDERP9	ECONACTP9	FIFQUALP9	PENSHOUP9
AGEP9	EMPSTATP9	SIXQUALP9	AGECOMBP9
AGE1P9	EMPSTAT1P9	VOCSubP9	NOEARN1P9
AGE2P9	ESTSIZEP9	VOCLEVP9	NODECH1P9
MARITALP9	CURRENTP9	HEADHOUP9	PENSCOMBP9
MARITAL1P9	OLDJOBP9	WMHOHP9	MIGDETP9
MARFEMP9	HOURSP9	CHECSUPPP9	MIGDISTP9
COBP9	PARTFULLP9		

6. Metadata for NIMS CENSUSHH_2001

Table Name:	CENSUSHH_2001
Table Description:	This table gives statistical coded household information from the 2001 census for the enumerated population.
Source of the Data:	2001 Census
Number of Records:	627635
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSHID
Tables Linked to:	Via CENSUSHID: CENSUSP_2001 (to get other household members)

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENSUSHIDH0	HHADULST_COUNTH0	HRP_AGEH0	CETYP_CNVH0
SOAENUMH0	HHDEPCHLD_COUNTH0	HRP_MARSTATH0	CETYP_DRUGH0
CETYP_H0	HHSTUHOME_COUNTH0	HRP_COMMBACKH0	CETYP_TLH0
CEMANTYPEH0	HHADEMP_COUNTH0	HRP_RELH0	CETYP_CIH0
CECOMBTYPH0	HHCOMPH0	HRP_COBH0	CETYP_AIH0
CEREGSTATH0	HHFAMTYPEH0	HRP_ETHGRPH0	CETYP_ELDH0
HHOCCSTATH0	HHFAM_COUNTH0	HRP_EDHLQH0	CETYP_STH0
HHSIZEH0	HHADCHLDSTRH0	HRP_ECACTH0	CETYP_PRSH0
ACCTYPEH0	HHDEPCHLDH0	HRP_OCCH0	CETYP_NURSH0
TENUREH0	HHCARERSH0	HRP_INDH0	CETYP_AFH0
SELDCONTH0	HHLITI0	HRP_NSSH0	CETYP_HMLSSH0
HHROOMS_COUNTH0	STUAWAYH0	HRP_SOCGRDH0	CETYP_OTHH0
HHROOMSREQH0	HHCOMBACKH0	HRP_SOC90H0	CETYP_NOURH0
PERSPERROOMH0	HHETHRELH0	XUPRN	OWNERSHIPH0
OCCRATH0	HHETHSTRH0	HHLITI_COUNTH0	LNDLRDH0
BATHSHOWH0	HHMIG_INDH0	HHPEOPLE_COUNTH0	NS_DEP_EMPH0
CENTHEATH0	HHMIG_OAH0	CEAGE_ELDH0	NS_DEP_EDUH0
LWST_FLR_LVLH0	HHMIG_PARLH0	CEAGE_ADH0	NS_DEP_HEAH0
HHFLRS_COUNTH0	HHMIG_HBH0	CEAGE_CLHDH0	NS_DEP_HOUSH0
HHCARS_COUNTH0	HHMIG_ELBH0	CETYP_PHYH0	NS_DEP_TENH0
HH17PLS_COUNTH0	HHMIG_NUTSH0	CETYP_LDH0	HHPENSH0
HHWRKG_COUNTH0	HHWKRSTRANSH0	CETYP_MHH0	HHCARERS_COUNTH0
HHPEN_COUNTH0	HRP_SEXH0		

Imputation Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENTHEAT_IMPH0	CARS_IMPH0	TENURE_IMPH0	
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7. Metadata for NIMS CENSUSP_2001

Table Name:	CENSUSP_2001
Table Description:	This table gives statistical coded person information from the 2001 census for the enumerated population.
Source of the Data:	2001 Census
Number of Records:	1709557
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSPID
Tables Linked to:	Via CENSUSHID: CENSUSHH_2001 (to get other household members)

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENSUSHIDP0	LIVARRP0	INDUSTRYP0	EDLEV01P0
CENSUSPIDP0	HHRPP0	NSSECP0	EDLEV02P0
PRSN_TYPP0	FRPP0	NOHOURSPO	EDLEV03P0
POSCOMMP0	DEPCHLDP0	EMPSTATP0	EDLEV04P0
SEXP0	DEPPERSPO	YEARLSTWRKDPO	EDLEV05P0
AGEP0	FAMSTATP0	COMPSIZEP0	EDLEV06P0
WRKPEN_INDP0	GENINFAMP0	TRAVWRKP0	EDLEV07P0
MARITALP0	MIGSTATP0	TRVWDISTP0	EDLEV08P0
STU_INDP0	COUNADD1YRP0	TRVWDISTGROUPO	EDLEV09P0
TTADDP0	MIG_OAP0	WP_LOCP0	EDLEV10P0
STUACCP0	MIG_PARLP0	WP_COUNTRYPO	EDLEV11P0
KNOWIRISHP0	MIG_HBP0	TRV_OAP0	EDLEV12P0
CMMNITY_BCKGRNDP0	MIG_ELBP0	TRV_PARLP0	EDLEV13P0
RLGNP0	MIG_NUTSP0	READIRISHP0	SOAADD1YRP0
COBP0	MGRPP0	SPEAKIRISHP0	SOAENUMP0
ETH_GRPP0	EDQUAL_HIGHP0	UNDERIRISHP0	IMPUTEDPERSON_NOT AWAYSTUDENTP0
ETHNICITYP0	ACTLWKP0	WRITEIRISHP0	SETTLEMENTBANDP0
GHEALTHP0	ECACTP0	RELPRACP0	SOC90P0
LLTIP0	OCCUPP0	RELUPBRP0	WP_SOA2001P0
UNPAIDCAREP0			

Imputation Variables

Note: See Data Dictionary for descriptions and values of all variables listed

LLTI_IMPP0	RELUPBR_IMPP0	AGE_IMPP0	ACTLW_IMPP0
GHEALTH_IMPP0	EDU_IMPP0	ETHNIC_IMPP0	UNPAIDCARE_IMPP0
RELG_IMPP0	GENDER_IMPP0	MARITAL_IMPP0	

8. Metadata for NIMS CENSUS2001_ RELATIONSMATRIX

Table Name:	CENSUS2001_RELATIONSMATRIX
Table Description:	This table gives statistical coded household information from the 2001 census for the enumerated population.
Source of the Data:	2001 Census
Number of Records:	4352570
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSHID0
Tables Linked to:	Via CENSUSHID0: CENSUSP_2001 (to get other household members)

Variables

Variable Name	Variable Description	Variable Values
CENSUSHID0	System Generated Unique Reference Number for the Census Household Record	
P1_CENSUSPID0	Person 1 Unique Reference Number	
P2_CENSUSPID0	Person 2 Unique Reference Number	
P2_TO_P1_RELATIONS0	Code indicating Relationship of Person 2 to Person 1	Values 1-9 indicate relationship type A-B = 'Other' relationship X-Y = 'No code required'

9. Metadata for NIMS CENSUSHH_2011

Table Name:	CENSUSHH_2011
Table Description:	This table gives statistical coded household information from the 2011 census for the enumerated population.
Source of the Data:	2011 Census
Number of Records:	688829
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSHID1
Tables Linked to:	Via CENSUSHID1: CENSUSP_2011

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENSUSHID1	CLIENTS03H1	DEPRIVEDH1	NSTAH1
ADAPT1H1	CLIENTS04H1	DEPTNH1	P17H1
ADAPT2H1	CLIENTS05H1	DPCH1	PENH1
ADAPT3H1	CLIENTS06H1	EILAH1	PPROOMH1
ADAPTHH1	CLIENTS07H1	ESTNATUREH1	ROOMREQH1
ADAPTOH1	CLIENTS08H1	ETHH1	ROOMSH1
ADAPTPMH1	CLIENTS09H1	FAMH1	SELFCONH1
ADAPTVH1	CLIENTS10H1	FRM_RESP_CHNLH1	SIZH1
ADAPTWH1	CLIENTS11H1	HH_STRUCTUREH1	STAH1
ADEMH1	CLIENTS12H1	HHCH1	TEMPNATUREH1
ADTH1	CLIENTS13H1	HHLDLANGH1	TENH1
AGEGRP17H1	CLIENTS14H1	HHLSH1	TENUREH1
AGEGRP24H1	CLIENTS15H1	IHC1H1	TYPACCOMH1
AGEGRP64H1	CLIENTS16H1	IHC2H1	USHC1H1
AGEGRP65H1	CLIENTS17H1	ILAH1	USHC2H1
AGGETHH1	CLIENTS18H1	ILLADULTH1	NORDH1
AHCH1	CLIENTS19H1	ILLH1	TENDH1
AHTH1	CLIENTS20H1	ILLLITTLEH1	HBSDH1
CARSNOH1	CLIENTS21H1	ILLLOTH1	EA_ELB_2011H1
CEAH1	HRPCOBH1	LANDLORDH1	EA_HSCT_2011H1
CECTMCEWSH1	CRSH1	MEIGH1	EA_HSSB_2011H1
CENHEATH1	DEPEDH1	MNAGEMNTH1	EA_LA_CODE_2011H1
CGHH1	DEPEMH1	HEACONAH1	EA_NUTS3_2011H1
CLIENTS01H1	DEPHDH1	HEACONH1	EA_SOA_CODE_2011H1
CLIENTS02H1	DEPHSH1	NSSH1	XUPRN

Imputation Variables

Note: See Data Dictionary for descriptions and values of all variables listed

TYPACCOM_IMPH1	SELFCON_IMPH1	LANDLORD_IMPH1	CARSNO_IMPH1
TENURE_IMPH1	ROOMS_IMPH1	CENHEAT_IMPH1	

10. Metadata for NIMS CENSUSP_2011

Table Name: CENSUSP_2011

Table Description: This table gives statistical coded information from the 2011 census for the enumerated population.

Source of the Data: 2011 Census

Number of Records: 1744461

Currency of the Data: Typically static, but a small number of records may added at each download due to additional matching exercises

Unique Identifier: CENSUSPID1

Tables Linked to: Via CENSUSHID1: CENSUSHH_2011

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

CENSUSPID1	QUALS03P1	GENINFAMP1	USLANWP1
CENSUSHID1	QUALS04P1	NATIDNIP1	IDENINTP1
ACTLWP1	QUALS05P1	PSPTLP1	WKPLINDP1
ADULTLSP1	QUALS06P1	AVAILWORKP1	NATIDIP1
AGGECOP1	QUALS07P1	HEALTHP1	HEACONOC1
AGGMAINLANGP1	QUALS08P1	EVERWORKP1	INTENTIONP1
AGGMAINLANGPRFP1	QUALS09P1	HEACONLTP1	TERMINDP1
AMAINLANGPRFP1	QUALS10P1	IRISH1P1	SCHOOLAGEP1
DCHP1	QUALS11P1	ILANRP1	HEACONLDP1
ECOCATP1	QUALS12P1	YRARR_YEARP1	ULSTER1P1
ECOP1	QUALS13P1	RELBTP1	POSITIONP1
ELARP1	MIGWARDPUK11P1	MARSTATP1	RESIDENCE_TYPEP1
FMSP1	IMPUTED	EMPLYGRPP1	SEXP1
FRPP1	QUALS14P1	LOOKWORKP1	USLANUP1
HLQP1	RLARP1	ULSTER2P1	EMPSTATP1
HRPP1	STAINDP1	AGEARRP1	IDENUKP1
INDEP1	STAP1	WAITWORKP1	ILANSP1
INDP1	UNEMPHISTP1	YRADINTP1	WKPLINTP1
LARP1	WF65PLP1	CPRP1	HEACONCDP1
LRESP1	WRKAGEP1	RELBUP1	AGEP1
MAINLANGPRFP1	EMPLOYP1	PSSRTP1	HEACONMHCP1
NATIDBP1	TRANSPORTP1	YRARRP1	ETHFULLP1
NATIDEP1	HEACONDBP1	HEACONMDP1	DTWSPP1
NATIDSP1	MIGORIGP1	VOLWORKP1	A1YR_ELB_2011P1
NATIDUSP1	HEACONBP1	MIGSTATP1	A1YR_HSCT_2011P1
NATIDWP1	USLANRP1	RELBTBUIP1	A1YR_HSSB_2011P1

NSSECP1	INDUSTRY_CODEP1	HEACONMLP1	A1YR_LA_CODE_2011P1
PENEXACTP1	HEACONCIP1	NATIDOP1	A1YR_NUTS3_2011P1
PENP01P1	USLANSP1	MAINLANGP1	A1YR_SOA_CODE_2011P1
PENP1	AGGLASTYRWRKP1	STUDENTP1	WPS_ELB_2011P1
PSSPUKP1	DISABILITYP1	ILANWP1	WPS_HSCT_2011P1
PSSPIP1	OCCP1	HOURSP1	WPS_HSSB_2011P1
PSSPOP1	SOC2000P1	IRISH2P1	WPS_LA_CODE_2011P1
PSSPNP1	ILANUP1	LANGPRFP1	WPS_NUTS3_2011P1
PTRANSP1	LASTYRWRKP1	ETHP1	WPS_SOA_CODE_2011P1
QUALS01P1	HEACONP1	HEACONDP1	YRADINDP1
QUALS02P1	COBP1	CARERP1	MIGSTAT_NOMIGBABYP1

Imputation Variables

Note: See Data Dictionary for descriptions and values of all variables listed

AGE_IMPP1	IDENUK_IMPP1	SEX_IMPP1	QUALS04_IMPP1
AVAILWORK_IMPP1	INDUSTRY_CODE_IMPP1	STUDENT_IMPP1	QUALS05_IMPP1
CARER_IMPP1	INTENTION_IMPP1	TERMIND_IMPP1	QUALS06_IMPP1
COB_IMPP1	LANGPRF_IMPP1	TRANSPORT_IMPP1	QUALS07_IMPP1
DISABILITY_IMPP1	LASTYRWRK_IMPP1	WAITWORK_IMPP1	QUALS08_IMPP1
EMPTYGRP_IMPP1	LOOKWORK_IMPP1	WKPLIND_IMPP1	QUALS09_IMPP1
EMPSTAT_IMPP1	MAINLANG_IMPP1	WKPLINT_IMPP1	QUALS10_IMPP1
EVERWORK_IMPP1	MARSTAT_IMPP1	YRADINT_IMPP1	QUALS11_IMPP1
HEALTH_IMPP1	PSPTTEL_IMPP1	QUALS01_IMPP1	QUALS12_IMPP1
HOURS_IMPP1	PSSPRT_IMPP1	QUALS02_IMPP1	QUALS13_IMPP1
IDENINT_IMPP1	RESIDENCE_TYPE_IMPP1	QUALS03_IMPP1	YRARR_YEAR_IMPP1

11. Metadata for NIMS CENSUS2011_ RELATIONSMATRIX

Table Name:	CENSUS2011_RELATIONSMATRIX
Table Description:	This table gives statistical coded household information from the 2011 census for the enumerated population.
Source of the Data:	2011 Census
Number of Records:	3927910
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	CENSUSHID1
Tables Linked to:	Via CENSUSHID1: CENSUSP_2011 (to get other household members)

Variables

Variable Name	Variable Description	Variable Values
CENSUSHID1	System Generated Unique Reference Number for the Census Household Record	
P1_CENSUSPID1	Person 1 Unique Reference Number	
P1_NUMBER1	Person 1 Number within Household	
P2_CENSUSPID1	Person 2 Unique Reference Number	
P2_NUMBER1	Person 2 Number within Household	
P2_TO_P1_RELATIONS1	Code indicating Relationship of Person 2 to Person 1	Values 1-13 indicate relationship type

12. Meta Data for PROPERTIES

Table Name: PROPERTIES

Table Description: This table gives the coded information from Land and Property Services POINTER product and valuation lists, of which more information can be found at <https://www.nidirect.gov.uk/articles.pointer>. This table is based upon all properties listed in the latest available POINTER dataset linked to latest available LPS valuation list where possible.

Source of the Data: LPS

Number of Records: 995868

Currency of the Data: Based on December 2016 LPS data and October 2017 Pointer data.

Unique Identifier: XUPRN (This will take the form of letters, for example 'ARELSEAEI', 'WPWWWAEI', 'SDALNAAEI', 'DSEIPNAEI')

Tables Linked to: Via XUPRN: CORENILSDATA, ADDRESS_HISTORY, MIGRATION_EVENTS, CENSUSHH_2001

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

XUPRN	PROP_TYPE	TOTAL_BED	PARKING
X_SETTLEMENTBAND	BATHS	HALF_BATHS	HEATING
CV_NON_EX	HAB_SPACE	YEAR_BUILT	CV_NON_EX10
CV_EX	ANC_SPACE	STOREYS	CV_NON_EX3
PRIMARY_CLASS	HAB_ROOMS	FLOOR	CV_NON_EX5
SUB_CLASS			

Additional Information for PROPERTIES

Issues

CV_NON_EX is the domestic capital value based in 2005. There are currently no plans to change this to a more up to date capital value.

About 95% of records have an XUPRN attached. About 90-95% of property records have detailed property information from the valuation list. This gives approximately 85% of records with detailed property information

LPS are currently working on improving the link between XUPRN and the valuation list.

http://www.lpsni.gov.uk/index/property_rating.htm

SETTLEMENTBAND

Each property lies within a recorded settlement band. These settlement bands enable researchers to determine whether a property is located within an urban or rural area. Settlement bands A-E reflect urban areas, whilst settlement bands F-H indicate rural areas. The following table shows distribution of properties by urban/rural classification.

PROPERTIES – Table 1 – Distribution by SETTLEMENTBAND			
Classification		Records	% Distribution
RURAL		360255	36.7
URBAN		620379	63.3

SUB-CLASS

The PROPERTIES table gives an indication of the classification of each property, which is recorded as Sub_Class. The table below indicates the top 5 most popular property sub-classes.

PROPERTIES – Table 2 – Distribution by SUB_CLASS			
Sub-Class		Records	% Distribution
Detached		274239	28.0
Terrace		224732	22.9
		207243	21.1
Semi-Detached		193426	19.7
Apartment		67285	6.9

13. Metadata for XDEATH_DETAILS

Table Name: XDEATH_DETAILS

Table Description: This table gives statistical coded information for the main cause of death and other subsequent causes. This provides a summary of preceding cause of death variables and expands on the main cause of death provided within the DEATHSSTATS_NIMS table. This information is coded/validated by the teams in GRO and Demographic Statistics. The content of this table is available through the initial application process on the proviso that appropriate research justification is demonstrated.

Source of the Data: GRO

Number of Records: 342698

Currency of the Data: Latest information included for 201612 (YYYYMM). New data will become available by the end of January each year.

Unique Identifier: GRODID

Tables Linked to: Via GRODID: DEATHLINKS_NIMS, DEATHSSTATS_NIMS

Variables		
Variable Name	Variable Description	Variable Values
GRODID	System generated unique reference number for death event	
X_DetailedICD09List	International Classification of Diseases 9th Revision. This classification is used for any death registration prior to 2001.	Alphanumeric coded cause of death (main cause listed first with subsequent causes in the remaining brackets)
X_DetailedICD10List	International Classification of Diseases 10th Revision. This classification is used for any death registration from 2001 onwards.	See X_DetailedICD09List Variable Values

14. Metadata for WEATHER

Table Name: WEATHER

Table Description: This table provides background weather data at 5x5 km resolution which is modelled by the Met Office every ten years. It is linked to the Pointer database based on the 5km grid square which has been translated from the British to Irish grid. Each household on the Pointer database is assigned a range of weather measures which can then be linked to other datasets via XUPRN. Further information on weather data is available at <http://www.metoffice.gov.uk/climatechange/science/monitoring/ukcp09/download/>

Source of the Data: Met Office

Number of Records 639

Currency of the Data: Average over thirty year period – 1981-2010. Updated every ten years. Last updated April 2012.

Unique Identifier: XUPRN

Tables Linked to: Via XUPRN: Properties, CORENILSDATA, Census2001, Census2011

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

XUPRN	meantemp_xxx	rainday10_xxx	snowlying_xxx
airfrost_xxx	WID	rainfall_xxx	sunshine_xxx
grdfrost_xxx	meanwind_xxx	nox_xxxx	mintemp_xxx
maxtemp_xxx	rainday1_xxx	snowfall_xxx	

xxx represents the month for which the data is available.

Further information

Missing values

There are some grid squares in each data set that do not have values. These are coastal squares for which the centre of the grid square is not located on the land (or is across the border with the Republic of Ireland) and therefore the model does not provide a concentration for. 0.5% of addresses on the Pointer dataset do not have weather attributes assigned. Some of the datasets being linked to may also have missing UPRNs and thus cannot have weather attributes linked to them.

Acknowledgements / Conditions of supply

Please acknowledge the Met Office as source if using this data.

The terms and conditions for the use of Met Office data are available at

<http://ukclimateprojections.metoffice.gov.uk/23476>

Met Office data is available for non-commercial uses only. Users should be aware of the following license agreement: <http://www.nationalarchives.gov.uk/doc/non-commercial-government-licence/non-commercial-government-licence.htm>

15. Metadata for POLLUTION

Table Name:	Pollution
Table Description:	This table provides background pollution data at 1x1 km resolution which is modelled by DEFRA on an annual basis. It is linked to the Pointer database based on the 1km grid square which has been translated from the British to Irish grid. Each household on the Pointer database is assigned a range of pollution measures which can then be linked to other datasets via XUPRN. Further information on pollution data is available at http://uk-air.defra.gov.uk/data/pcm-data
Source of the Data:	DEFRA
Number of Records:	12199
Currency of the Data:	Up to December 2016 (most variables – CO only available to 2010)
Unique Identifier:	XUPRN
Tables Linked to:	Via XUPRN: Properties, CORENILSDATA, Census2001, Census2011

Variables

Note: See Data Dictionary for descriptions and values of all variables listed

XUPRN	pm10_xxxx	no2_xxxx	ozone_xxxx
PID	benzene_xxxx	nox_xxxx	so2_xxxx
pm2pt5_xxxx	co_xxxx		

xxxx represents the year for which the data is available. Data is available annually but the range differs depending upon each measure. See data dictionary for the years for which each measure is available.

Further information

Missing values

There are some grid squares in each data set that do not have values associated with them. These are grid square for which the centre is not located on the land or is across the border with Republic of Ireland. 0.8% of properties on the Pointer dataset do not have pollution attributes assigned. Some of the datasets being linked to may also have missing UPRNs and thus cannot have pollution attributes assigned to them.

Methodology

The models are continually updated and improved and so the methodology often changes each year. The most recent methodology report is for 2013 and can be found on the UK-AIR website. Users should be mindful of these year to year changes when comparing model outputs between years.

Units

Most of the model outputs are annual means, represented in $\mu\text{g m}^{-3}$. CO concentrations are represented in mg m^{-3} . Specific units and information about the different metrics is provided in the table above.

Updates

The maps are produced over the summer each year and typically the latest updates are checked and approved by the autumn and made available on this website by mid-October.

Acknowledgements

Please acknowledge Defra as source if using this data.

16. Metadata for NIMS WEATHER_AND_POLLUTION

Table Name:	WEATHER_AND_POLLUTION
Table Description:	This table contains a lookup of XUPRN to WEATHER ID and POLLUTION ID.
Source of the Data:	Met Office and DEFRA
Number of Records:	NUMBER_OF_RECORDS
Currency of the Data:	Typically static, but a small number of records may be added at each download due to additional matching exercises
Unique Identifier:	XUPRN
Tables Linked to:	Via WID: WEATHER Via PID: POLLUTION

Variables

Variable Name	Variable Description	Variable Values
XUPRN	Anonymised Property Reference Number	
WID	Unique Weather ID	
PID	Unique Pollution ID	

17. Meta Data for MATCH RATES

NIMS91

Match rates for NIMS91 are based upon the number of links of General Register Office death records from May 1991-December 2001 to 1991 Census Records. A raw match rate is provided alongside an adjusted match rate to allow for the 95% level of enumeration in the 1991 Census.

Registration Year	Total	Linked to GRO	Raw Match Rate	Adjusted Match Rate
1991	8629	7894	91.5%	96.3%
1992	14835	13620	91.8%	96.6%
1993	15596	14202	91.1%	95.9%
1994	15092	13712	90.9%	95.6%
1995	15288	13678	89.5%	94.2%
1996	15209	13587	89.3%	94.0%
1997	14967	13393	89.5%	94.2%
1998	14988	13431	89.6%	94.3%
1999	15662	13969	89.2%	93.9%
2000	14900	13301	89.3%	94.0%
2001	14511	12935	89.1%	93.8%

NIMS01

Match rates for NIMS01 are based upon the number of links of General Register Office death records from May 2001-December 2011 to 2001 Census Records. A raw match rate is provided alongside an adjusted match rate to allow for the 95% level of enumeration in the 2001 Census.

Registration Year	Total	Linked to GRO	Raw Match Rate	Adjusted Match Rate
2001	8390	7649	91.2%	96.0%
2002	14256	13259	93.0%	97.9%
2003	14367	13341	92.9%	97.7%
2004	14296	13123	91.8%	96.6%
2005	14159	12779	90.3%	95.0%
2006	14484	12833	88.6%	93.3%
2007	14620	12999	88.9%	93.6%
2008	14894	13182	88.5%	93.2%
2009	14406	12577	87.3%	91.9%
2010	14441	12184	84.4%	88.8%
2011	14193	11891	83.8%	88.2%

NIMS11

Match rates for NIMS01 are based upon the number of links of General Register Office death records from April 2011-December 2013 to 2011 Census Records. A raw match rate is provided alongside an adjusted match rate to allow for the 95% level of enumeration in the 2011 Census.

Registration Year	Total	Linked to GRO	Raw Match Rate	Adjusted Match Rate
2011	9485	8720	91.9%	97.8%
2012	14482	13363	92.3%	98.2%
2013	14788	13672	92.5%	98.4%
2014	14519	13431	92.5%	98.4%
2015	15394	14153	91.9%	97.8%
2016	15302	13855	90.5%	96.3%

18. Document Version Control

Version:	Changes Made:	Made By:
v1.0	Creation of NIMS Metadata	
v1.1	Restructure and rebranding of NIMS for full 1991 link release	Shannon
v1.2	Updated for Nov2016 release	JS/CMcL
v1.3	Updated for Feb 2018 release	GR/CMcL