

# South Africa, England - Explaining Population Trends in Cardiovascular Risk in South Africa and England 1998-2017

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## Identification

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### SURVEY ID NUMBER

zaf-gbr-ug-su-expose-1998-2017-v1

### TITLE

Explaining Population Trends in Cardiovascular Risk in South Africa and England 1998-2017

### COUNTRY

Name	Country code
South Africa	zaf
England	gbr

### STUDY TYPE

Health Survey

### ABSTRACT

The ExPoSE project, based at the University of Greenwich, UK and Stellenbosch University, South Africa, aimed to examine epidemiologic transitions by identifying and quantifying the drivers of change in CVD risk in the middle-income country of South Africa compared to the high-income nation of England. The project produced a harmonised dataset of national surveys measuring CVD risk factors in South Africa and England for others to use in future work. The harmonised dataset includes data from nationally-representative surveys in South Africa derived from the Demographic and Health Surveys, National Income Dynamics Study, South Africa National Health and Nutrition Examination Survey, and Study on Global Ageing and Adult Health, covering 11 cross-sections and approximately 156,000 individuals aged 15+ years, representing South Africa's adult population from 1998 to 2017. Data for England come from 17 Health Surveys for England (HSE) over the same time period, covering over 168,000 individuals aged 16+ years, representing England's adult population. Data for England can be obtained from the UK Data Service. Files made available include the code used within the scope of the ExPoSE Project <https://www.exposeproject.net> to import and harmonise microdata on cardiovascular risk factors and other information from a set of population surveys conducted in South Africa and England between 1997 and 2017.

### KIND OF DATA

Survey data

### UNIT OF ANALYSIS

Individuals

## Version

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### VERSION DESCRIPTION

v1: Edited, anonymised data for public distribution

### VERSION DATE

2024

## Scope

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### NOTES

Topics covered in the data include socio-demographic information, household characteristics, administrative variables, anthropometrics, blood pressure, general health, illnesses and diagnoses, health behaviours, and medication use

## Coverage

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### GEOGRAPHIC COVERAGE

The harmonised data comes from national surveys conducted in South Africa and England

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
Kafui Adjaye-Gbewonyo	University of Greenwich
Annibale Cois	South African Medical Research Council

### FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
UK Economic and Social Research Council	ESRC	Funding Agency

### OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Role
Stellenbosch University	Previous institutional affiliation

## Data Collection

### DATES OF DATA COLLECTION

Start	End	Cycle
1998	2017	Harmonised data

### DATA COLLECTION MODE

Other

### SUPERVISION

The project obtained ethics exemption from the University Research Ethics Committee at the University of Greenwich (reference 20.5.6.8; 20 June 2021) and ethics approval from the Health Research Ethics Committee at Stellenbosch University (reference X21/09/027; 28 September 2021)

### DATA COLLECTION NOTES

The dataset includes data obtained from nationally representative surveys in South Africa and England harmonised by the project. Data for South Africa comes from the Demographic and Health Surveys, National Income Dynamics Study, South Africa National Health and Nutrition Examination Survey, and Study on Global Ageing and Adult Health. Data for England come from 17 annual Health Surveys for England (HSE) over the same time period, representing England's adult population. Area-level, local and environmental data from external sources supplement the final analyses

### DATA COLLECTORS

Name	Affiliation
Kafui Adjaye-Gbewonyo	University of Greenwich
Annibale Cois	Stellenbosch University
Shaun Scholes	University College London

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
DataFirst Support	University of Cape Town	support@data1st.org	www.support.data1st.org

#### ACCESS CONDITIONS

Public access data for use under a Creative Commons CC-BY (Attribution-only) License

#### CITATION REQUIREMENTS

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#### ACCESS AUTHORITY

Name	Affiliation	Email	URL
DataFirst	University of Cape Town	support@data1st.org	support.data1st.org

## Metadata production

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#### PRODUCERS

Name	Affiliation	Role
DataFirst	University of Cape Town	Metadata producer

#### DATE OF METADATA PRODUCTION

2024-09-13

#### DDI DOCUMENT VERSION

Version 2

**Data Description**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>expose-sa-1998-2017</b>	124472	210



**Data file: expose-sa-1998-2017**

Cases: 124472

Variables: 210

**Variables**

ID	Name	Label	Question
V1	country_ISO	Country ISO code	
V2	country_name	Country name	
V3	source	Data source	
V4	year	Year of data collection - Survey median	
V5	hhid	Household identifier	
V6	pid	Individual identifier	
V7	psu	Primary Sampling Unit	
V8	stratum	Sampling stratum	
V9	aweight_sa_int_base	Sampling weight: Interview (original)	
V10	aweight_sa_phys_base	Sampling weight: Physical examination (original)	
V11	aweight_sa_lab_base	Sampling weight: Laboratory (original)	
V12	aweight_sa_int	Sampling weight: Interview	
V13	aweight_sa_phys	Sampling weight: Physical examination	
V14	aweight_sa_lab	Sampling weight: Laboratory	
V15	geolevel1_name	Administrative level 1 - Name	
V16	geolevel1_code	Administrative level 1 - Code	
V17	geolevel2_name	Administrative level 2 - Name	
V18	geolevel2_code	Administrative level 2 - Code	
V19	geotype2	Urban/rural	
V20	intm	Interview - Month	
V21	inty	Interview - Year	
V22	vism	Anthropometry - Month	
V23	visq	Anthropometry - Quarter	
V24	hh_size	Household size	
V25	hh_size_cat	Household size, categorical	
V26	hh_ownhome	Dwelling - Ownership	
V27	hh_totrooms	Number of rooms in dwelling	
V28	hh_sleeprooms	Number of rooms for sleeping in dwelling	
V29	hh_ptotrooms	Number of rooms in dwelling, per household member	
V30	hh_psleeprooms	Number of rooms used for sleeping, per household member	
V31	hh_dwellingtype	Dwelling - Type	
V32	hh_wallmaterial	Dwelling - Wall material	
V33	hh_floormaterial	Dwelling - Floor material	
V34	hh_roofmaterial	Dwelling - Wall material	
V35	hh_roof_wall_1	Dwelling - roof/wall material: mud/thatching/wattle and daub	
V36	hh_roof_wall_2	Dwelling - roof/wall material: mud and cement mix	
V37	hh_roof_wall_3	Dwelling - roof/wall material: corrugated iron/zinc	
V38	hh_roof_wall_4	Dwelling - roof/wall material: plastic/cardboard	

ID	Name	Label	Question
V39	hh_roof_wall_5	Dwelling - roof/wall material: brick/cement/prefab/plaster	
V40	hh_roof_wall_9999	Dwelling - roof/wall material: other	
V41	hh_water	Source of drinking water	
V42	hh_toilet	Toilet type	
V43	hh_sharedtoilet	Shared toilet	
V44	hh_refuseremoved	Refuse removal	
V45	hh_cookingfuel	Main cooking fuel	
V46	hh_heatingfuel	Main heating fuel	
V47	hh_cook_elec	Cooking fuel: Electricity	
V48	hh_cook_gas	Cooking fuel: Gas	
V49	hh_cook_par	Cooking fuel: Paraffin	
V50	hh_cook_wood	Cooking fuel: Wood	
V51	hh_cook_coal	Cooking fuel: Coal	
V52	hh_cook_dung	Cooking fuel: Dung	
V53	hh_cook_other	Cooking fuel: Other	
V54	hh_recgrant	Household member receives goverment grant	
V55	hh_govsupport	Household receives goverment support	
V56	hh_foodinsec	Food insecurity	
V57	hh_foodinsec_adult	Food insecurity: adult	
V58	hh_foodinsec_child	Food insecurity: child	
V59	hh_ass_elec	Household assets: Electricity	
V60	hh_ass_radio	Household assets: Radio	
V61	hh_ass_tv	Household assets: TV	
V62	hh_ass_fridge	Household assets: Fridge	
V63	hh_ass_bicycle	Household assets: Bicycle	
V64	hh_ass_motorcycle	Household assets: Motorcycle	
V65	hh_ass_car_truck	Household assets: Car/Truck	
V66	hh_ass_phone	Household assets: Phone (landline)	
V67	hh_ass_computer	Household assets: Computer	
V68	hh_ass_wmachine	Household assets: Washing Machine	
V69	hh_ass_cellphone	Household assets: Electricity	
V70	hh_ass_watch	Household assets: Phone (cellular)	
V71	hh_ass_animalcart	Household assets: Animal cart	
V72	hh_ass_motorboat	Household assets: Motorboat	
V73	hh_ass_vacuum	Household assets: Vacuum cleaner	
V74	hh_ass_microwave	Household assets: Microwave oven	
V75	hh_ass_stove	Household assets: Stove	
V76	hh_ass_sat	Household assets: Satellite TV	
V77	hh_ass_video	Household assets: Videoplayer	
V78	hh_ass_hifi	Household assets: hifi	
V79	hh_ass_camera	Household assets: Photocamera	
V80	hh_ass_smachine	Household assets: Sewing machine	
V81	hh_ass_sofa	Household assets: Sofa	
V82	hh_ass_boat	Household assets: Boat	
V83	hh_ass_plough	Household assets: Plough	



ID	Name	Label	Question
V84	hh_ass_tractor	Household assets: Tractor	
V85	hh_ass_wheelbarrow	Household assets: Weelbarrow	
V86	hh_ass_mill	Household assets: Mill	
V87	hh_ass_tab	Household assets: Table	
V88	hh_ass_sink	Household assets: Sink	
V89	hh_ass_hotw	Household assets: Hot water	
V90	hh_ass_dishwasher	Household assets: Dishwasher	
V91	hh_edu_deprived	Deprivation: education	
V92	hh_unimp_toilet	Deprivation: sanitation	
V93	hh_unimp_water	Deprivation: water	
V94	hh_unimp_cooking	Deprivation: cooking fuel	
V95	hh_dep1plus	Deprivation: 1+ indicator	
V96	hh_dep2plus	Deprivation: 2+ indicators	
V97	hh_dep3plus	Deprivation: 3+ indicators	
V98	hh_dep4plus	Deprivation: 4+ indicators	
V99	hh_income	Household income	
V100	hh_income_quint	Household income quintile	
V101	hh_windex	Household wealth index	
V102	hh_windex_quint	Household wealth index quintile	
V103	hh_cwi	Comparative wealth index	
V104	hh_deaths12mo	Death in the household last 12 months	
V105	sex	Sex	
V106	age	Age	
V107	agecat1	Age category (5 years)	
V108	agecat2	Age category (10 years)	
V109	race	Population group	
V110	race_imp	Population group, imputed	
V111	marstatus	Marital status	
V112	edu1	Education: categorisation 1	
V113	edu2	Education: categorisation 2	
V114	emp	Employment	
V115	smokstatus	Smoking status	
V116	currsmok	Current smoker	
V117	alcstatus	Alcohol status	
V118	curralc	Current drinker	
V119	alcavg	Average alcohol consumption [g/day]	
V120	gpaq	GPAQ	
V121	gpaqcat	GPAQ category	
V122	exercisefreq	Exercise frequency	
V123	self_health	Self-rated health	
V124	diag_hbp	Diagnosis: Hypertension	
V125	diag_isch	Diagnosis: Heart attack/angina	
V126	diag_stroke	Diagnosis: Stroke	
V127	diag_chol	Diagnosis: Hypercholesterolaemia	
V128	diag_diab	Diagnosis: Diabetes/hyperglycaemia	

ID	Name	Label	Question
V129	diag_emph	Diagnosis: Emphisema/Chronic bronchitis	
V130	diag_asth	Diagnosis: Asthma	
V131	diag_tb	Diagnosis: Tuberculosis	
V132	diag_cancer	Diagnosis: Cancer	
V133	diag_heart	Diagnosis: Heart problems	
V134	bpmmed	Medication: Hypertension	
V135	diabmed	Medication: Diabetes/hyperglycaemia	
V136	cholmed	Medication: Hypercholesterolaemia	
V137	ischmed	Medication: Heart attack/angina	
V138	lungmed	Medication: Respiratory problems	
V139	tbmed	Medication: Tuberculosis	
V140	strokemed	Medication: Stroke	
V141	bpmmed_coded	Medication: Hypertension, coded	
V142	diabmed_coded	Medication: Diabetes/hyperglycaemia, coded	
V143	cholmed_coded	Medication: Hypercholesterolaemia, coded	
V144	ischmed_coded	Medication: Heart attack/angina, coded	
V145	lungmed_coded	Medication: Respiratory problems, coded	
V146	tbmed_coded	Medication: Tuberculosis, coded	
V147	strokemed_coded	Medication: Stroke, coded	
V148	parity	Parity	
V149	currpreg	Currently pregnant	
V150	everpreg	Ever pregnant	
V151	height1	Height [cm] - First reading	
V152	height2	Height [cm] - Second reading	
V153	height3	Height [cm] - Third reading	
V154	height	Height [cm] - Average of available readings	
V155	weight1	Weight [Kg] - First reading	
V156	weight2	Weight [Kg] - Second reading	
V157	weight3	Weight [Kg] - Third reading	
V158	weight	Weight [Kg] - Average of available readings	
V159	waist1	Waist circumference [cm] - First reading	
V160	waist2	Waist circumference [cm] - Second reading	
V161	waist3	Waist circumference [cm] - Third reading	
V162	waist	Waist circumference [cm] - Average of available readings	
V163	arm1	Arm circumference [cm] - First reading	
V164	arm2	Arm circumference [cm] - Second reading	
V165	arm3	Arm circumference [cm] - Third reading	
V166	arm	Arm circumference [cm] - Average of available readings	
V167	hip1	Hip circumference [cm] - First reading	
V168	hip2	Hip circumference [cm] - Second reading	
V169	hip3	Hip circumference [cm] - Third reading	
V170	hip	Hip circumference [cm] - Average of available readings	
V171	sbp1	Systolic Blood Pressure [mmHg] - First reading	
V172	sbp2	Systolic Blood Pressure [mmHg] - Second reading	
V173	sbp3	Systolic Blood Pressure [mmHg] - Third reading	

ID	Name	Label	Question
V174	sbp_mean1	Systolic Blood Pressure [mmHg] - Average of available readings	
V175	sbp_mean2	Systolic Blood Pressure [mmHg] - Average of available readings excluding the fir	
V176	dbp1	Diastolic Blood Pressure [mmHg] - First reading	
V177	dbp2	Diastolic Blood Pressure [mmHg] - Second reading	
V178	dbp3	Diastolic Blood Pressure [mmHg] - Third reading	
V179	dbp_mean1	Diastolic Blood Pressure [mmHg] - Average of available readings	
V180	dbp_mean2	Diastolic Blood Pressure [mmHg] - Average of available readings excluding the fi	
V181	rhr1	Resting Heart Rate [ppm] - First reading	
V182	rhr2	Resting Heart Rate [ppm] - Second reading	
V183	rhr3	Resting Heart Rate [ppm] - Third reading	
V184	rhr_mean1	Resting Heart Rate [ppm] - Average of available readings	
V185	rhr_mean2	Resting Heart Rate [ppm] - Average of available readings excluding the first	
V186	bmi	BMI [kg/m2]	
V187	bmicat	BMI category	
V188	hb	Haemoglobin [g/dl]	
V189	HbA1c	Glycated Haemoglobin (HbA1c) [mmol/mol]	
V190	chol_tot	Total cholesterol [mmol/l]	
V191	chol_hdl	High-density lipoprotein (HDL) cholesterol [mmol/l]	
V192	chol_ldl	Low-density lipoprotein (LDL) cholesterol [mmol/l]	
V193	trig	Triglycerides [mmol/l]	
V194	medaid	Covered by medical insurance	
V195	hcare12mo	Health consultation last 12 months	
V196	hcare1mo	Healthcare consultations last month	
V197	hcare1mo_public	Healthcare last month: public hospital/clinic	
V198	hcare1mo_private	Healthcare last month: private hospital/clinic/doctor	
V199	ohcare1mo	Outpatient consultations last month	
V200	ohcare1mo_public	Outpatient healthcare last month: public hospital/clinic	
V201	ohcare1mo_private	Outpatient healthcare last month: private hospital/clinic/doctor	
V202	hcare1mo_chem_nurse	Healthcare last month: chemist/pharmacist/nurse	
V203	hcare1mo_trad	Healthcare last month: traditional/faith healer	
V204	hcare1mo_other	Healthcare last month: other	
V205	globorisk_nonlab	Globorisk CVD non laboratory risk score	
V206	globorisk_lab	Globorisk CVD laboratory risk score	
V207	globorisk_lab_fatal	Globorisk CVD fatal risk score	
V208	who_nonlab	WHO/ISH CVD non laboratory risk score	
V209	who_lab	WHO/ISH CVD non laboratory risk score	
V210	fhs_nonlab	Framingham CVD non laboratory risk score	

Total: 210



**COUNTRY\_ISO: Country ISO code****Data file:** expose-sa-1998-2017**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	GBR	0	0%
2	ZAF	124472	100%

**AWEIGHT\_SA\_PHYS\_BASE: Sampling weight: Physical examination (original)****Data file:** expose-sa-1998-2017**Overview**

Valid: 116599 Invalid: 7873 Minimum: 8.22e-05 Maximum: 45.893 Mean: 1 Standard deviation: 1.384  
 Type: Continuous Decimal: 0 Width: 20 Range: 8.22083747696405e-05 - 45.8933591920334 Format: Numeric

**COUNTRY\_NAME: Country name****Data file:** expose-sa-1998-2017**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	England	0	0%
2	South Africa	124472	100%

**SOURCE: Data source****Data file:** expose-sa-1998-2017**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 28 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	DHS 1998	0	0%
2	DHS 2003	8107	6.5%
3	DHS 2016	0	0%
4	HSE 1998	0	0%
5	HSE 2001	0	0%
6	HSE 2002	0	0%
7	HSE 2003	0	0%
8	HSE 2005	0	0%
9	HSE 2006	0	0%
10	HSE 2007	0	0%
11	HSE 2008	0	0%
12	HSE 2009	0	0%
13	HSE 2010	0	0%
14	HSE 2011	0	0%
15	HSE 2012	0	0%
16	HSE 2013	0	0%
17	HSE 2014	0	0%
18	HSE 2015	0	0%
19	HSE 2016	0	0%
20	HSE 2017	0	0%
21	NIDS 2008	16765	13.5%
22	NIDS 2010-11	18089	14.5%
23	NIDS 2012	19097	15.3%
24	NIDS 2014-15	23230	18.7%
25	NIDS 2017	25052	20.1%
26	SAGE 2007-8	0	0%
27	SAGE 2014	0	0%
28	SANHANES 2012	14132	11.4%

**YEAR: Year of data collection - Survey median**

**Data file: expose-sa-1998-2017**

### Overview

Valid: 124472    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 4    Range: 2004 - 2017    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
2004		8107	6.5%
2008		16765	13.5%
2010		18089	14.5%
2012		33229	26.7%
2015		23230	18.7%
2017		25052	20.1%

### HHID: Household identifier

Data file: **expose-sa-1998-2017**

#### Overview

Valid: 124472 Invalid: 0 Minimum: 200001 Maximum: 511346 Mean: 420869.155 Standard deviation: 63493.318  
 Type: Continuous Decimal: 0 Width: 6 Range: 200001 - 511346 Format: Numeric

### PID: Individual identifier

Data file: **expose-sa-1998-2017**

#### Overview

Valid: 124472 Invalid: 0 Minimum: 200001 Maximum: 898981 Mean: 506442.321 Standard deviation: 176745.165  
 Type: Continuous Decimal: 0 Width: 6 Range: 200001 - 898981 Format: Numeric

### PSU: Primary Sampling Unit

Data file: **expose-sa-1998-2017**

#### Overview

Valid: 124472 Invalid: 0 Minimum: 200001 Maximum: 500460 Mean: 401590.279 Standard deviation: 61259.959  
 Type: Continuous Decimal: 0 Width: 6 Range: 200001 - 500460 Format: Numeric

### STRATUM: Sampling stratum

Data file: **expose-sa-1998-2017**

#### Overview

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 252 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	1	0	0%
2	2	0	0%
3	3	0	0%
4	4	0	0%
5	5	0	0%
6	6	0	0%
7	7	0	0%
8	8	0	0%
9	9	0	0%
10	100001	0	0%
11	100002	0	0%
12	100003	0	0%
13	100004	0	0%
14	100005	0	0%
15	100006	0	0%
16	100007	0	0%
17	100008	0	0%
18	100009	0	0%
19	100010	0	0%
20	100011	0	0%
21	100012	0	0%
22	100013	0	0%
23	100014	0	0%
24	100015	0	0%
25	100016	0	0%
26	100017	0	0%
27	100018	0	0%
28	200001	597	0.5%
29	200002	45	0%
30	200003	227	0.2%
31	200004	417	0.3%
32	200005	631	0.5%
33	200006	282	0.2%
34	200007	687	0.6%
35	200008	251	0.2%



36	200009	978	0.8%
37	200010	661	0.5%
38	200011	309	0.2%
39	200012	536	0.4%
40	200013	796	0.6%
41	200014	6	0%
42	200015	341	0.3%
43	200016	533	0.4%
44	200017	67	0.1%
45	200018	743	0.6%
46	300001	0	0%
47	300002	0	0%
48	300003	0	0%
49	300004	0	0%
50	300005	0	0%
51	300006	0	0%
52	300007	0	0%
53	300008	0	0%
54	300009	0	0%
55	300010	0	0%
56	300011	0	0%
57	300012	0	0%
58	300013	0	0%
59	300014	0	0%
60	300015	0	0%
61	300016	0	0%
62	300017	0	0%
63	300018	0	0%
64	300111	0	0%
65	300112	0	0%
66	300113	0	0%
67	300114	0	0%
68	300121	0	0%
69	300122	0	0%
70	300131	0	0%
71	300211	0	0%
72	300212	0	0%
73	300214	0	0%
74	300231	0	0%

75	300311	0	0%
76	300312	0	0%
77	300313	0	0%
78	300314	0	0%
79	300321	0	0%
80	300411	0	0%
81	300412	0	0%
82	300413	0	0%
83	300414	0	0%
84	300421	0	0%
85	300431	0	0%
86	300511	0	0%
87	300512	0	0%
88	300513	0	0%
89	300514	0	0%
90	300521	0	0%
91	300531	0	0%
92	300611	0	0%
93	300612	0	0%
94	300614	0	0%
95	300621	0	0%
96	300622	0	0%
97	300711	0	0%
98	300713	0	0%
99	300714	0	0%
100	300721	0	0%
101	300731	0	0%
102	300811	0	0%
103	300812	0	0%
104	300814	0	0%
105	300821	0	0%
106	300831	0	0%
107	300911	0	0%
108	300912	0	0%
109	300913	0	0%
110	300914	0	0%
111	300922	0	0%
112	300924	0	0%
113	400001	1202	1%

114	400002	2003	1.6%
115	400003	1797	1.4%
116	400004	1222	1%
117	400005	1348	1.1%
118	400006	1336	1.1%
119	400007	809	0.6%
120	400008	1618	1.3%
121	400009	1353	1.1%
122	400010	1083	0.9%
123	400012	920	0.7%
124	400013	1624	1.3%
125	400014	1242	1%
126	400015	2226	1.8%
127	400016	955	0.8%
128	400017	1163	0.9%
129	400018	1359	1.1%
130	400019	832	0.7%
131	400020	720	0.6%
132	400021	2703	2.2%
133	400022	1972	1.6%
134	400023	2454	2%
135	400024	1765	1.4%
136	400025	2205	1.8%
137	400026	1832	1.5%
138	400027	1120	0.9%
139	400028	2010	1.6%
140	400029	1671	1.3%
141	400030	2167	1.7%
142	400031	1539	1.2%
143	400032	1608	1.3%
144	400033	1260	1%
145	400034	1194	1%
146	400035	1423	1.1%
147	400036	1920	1.5%
148	400037	1257	1%
149	400038	1770	1.4%
150	400039	1634	1.3%
151	400040	699	0.6%
152	400042	1577	1.3%

153	400043	1646	1.3%
154	400044	1292	1%
155	400076	2238	1.8%
156	400081	1118	0.9%
157	400082	627	0.5%
158	400083	1709	1.4%
159	400084	867	0.7%
160	400088	1116	0.9%
161	400101	234	0.2%
162	400102	464	0.4%
163	400103	366	0.3%
164	400104	211	0.2%
165	400105	282	0.2%
166	400171	2554	2.1%
167	400199	456	0.4%
168	400210	212	0.2%
169	400212	121	0.1%
170	400213	424	0.3%
171	400214	290	0.2%
172	400215	352	0.3%
173	400244	243	0.2%
174	400260	77	0.1%
175	400275	1782	1.4%
176	400299	401	0.3%
177	400306	306	0.2%
178	400307	173	0.1%
179	400308	317	0.3%
180	400309	299	0.2%
181	400345	237	0.2%
182	400416	209	0.2%
183	400418	263	0.2%
184	400419	187	0.2%
185	400420	171	0.1%
186	400499	192	0.2%
187	400521	643	0.5%
188	400522	441	0.4%
189	400523	637	0.5%
190	400527	198	0.2%
191	400528	481	0.4%

192	400543	461	0.4%
193	400554	482	0.4%
194	400555	571	0.5%
195	400556	363	0.3%
196	400559	379	0.3%
197	400572	3656	2.9%
198	400599	664	0.5%
199	400637	266	0.2%
200	400638	434	0.3%
201	400639	375	0.3%
202	400640	150	0.1%
203	400742	369	0.3%
204	400748	258	0.2%
205	400773	1961	1.6%
206	400774	2986	2.4%
207	400797	288	0.2%
208	400798	487	0.4%
209	400799	513	0.4%
210	400830	509	0.4%
211	400831	374	0.3%
212	400832	563	0.5%
213	400933	315	0.3%
214	400934	238	0.2%
215	400935	301	0.2%
216	400936	452	0.4%
217	400947	390	0.3%
218	500001	1945	1.6%
219	500002	1516	1.2%
220	500003	953	0.8%
221	500004	764	0.6%
222	500005	2390	1.9%
223	500006	1778	1.4%
224	500007	2348	1.9%
225	500008	1256	1%
226	500009	1182	0.9%
227	600001	0	0%
228	600002	0	0%
229	600003	0	0%
230	600004	0	0%

231	600005	0	0%
232	600006	0	0%
233	600007	0	0%
234	600008	0	0%
235	600009	0	0%
236	600010	0	0%
237	600011	0	0%
238	600012	0	0%
239	600013	0	0%
240	600014	0	0%
241	600015	0	0%
242	600016	0	0%
243	600017	0	0%
244	600018	0	0%
245	600019	0	0%
246	600020	0	0%
247	600021	0	0%
248	600022	0	0%
249	600023	0	0%
250	600024	0	0%
251	600025	0	0%
252	600026	0	0%

### **AWEIGHT\_SA\_INT\_BASE: Sampling weight: Interview (original)**

Data file: expose-sa-1998-2017

#### **Overview**

Valid: 124472 Invalid: 0 Minimum: 8.22e-05 Maximum: 42.986 Mean: 1 Standard deviation: 1.341  
 Type: Continuous Decimal: 0 Width: 20 Range: 8.22083747696405e-05 - 42.9857139396163 Format: Numeric

### **AWEIGHT\_SA\_LAB\_BASE: Sampling weight: Laboratory (original)**

Data file: expose-sa-1998-2017

#### **Overview**

Valid: 114996 Invalid: 9476 Minimum: 8.22e-05 Maximum: 43 Mean: 1 Standard deviation: 1.393  
 Type: Continuous Decimal: 0 Width: 20 Range: 8.22083747696405e-05 - 43.0001842936234 Format: Numeric

**AWEIGHT\_SA\_INT: Sampling weight: Interview****Data file:** expose-sa-1998-2017**Overview**

Valid: 124472 Invalid: 0 Minimum: 8.97e-05 Maximum: 37.309 Mean: 1 Standard deviation: 1.367  
 Type: Continuous Decimal: 0 Width: 20 Range: 8.96674465706646e-05 - 37.308628410994 Format: Numeric

**AWEIGHT\_SA\_PHYS: Sampling weight: Physical examination****Data file:** expose-sa-1998-2017**Overview**

Valid: 116599 Invalid: 7873 Minimum: -0.00733 Maximum: 37.309 Mean: 1 Standard deviation: 1.409  
 Type: Continuous Decimal: 0 Width: 19 Range: -0.0073260187286427 - 37.308628410994 Format: Numeric

**AWEIGHT\_SA\_LAB: Sampling weight: Laboratory****Data file:** expose-sa-1998-2017**Overview**

Valid: 114996 Invalid: 9476 Minimum: -0.0329 Maximum: 37.309 Mean: 1 Standard deviation: 1.418  
 Type: Continuous Decimal: 0 Width: 19 Range: -0.0328679794609802 - 37.308628410994 Format: Numeric

**GEOLEVEL1\_NAME: Administrative level 1 - Name****Data file:** expose-sa-1998-2017**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 18 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	East Midlands	0	0%
2	Eastern	0	0%
3	Eastern Cape	14508	11.7%
4	Free State	7753	6.2%
5	Gauteng	14807	11.9%
6	KwaZulu Natal	32324	26%
7	Limpopo	11920	9.6%
8	London	0	0%
9	Mpumalanga	9040	7.3%

10	North East	0	0%
11	North West	11025	8.9%
12	North West & Merseyside	0	0%
13	Northern Cape	8369	6.7%
14	South East	0	0%
15	South West	0	0%
16	West Midlands	0	0%
17	Western Cape	14726	11.8%
18	Yorkshire & The Humberside	0	0%

## GEOLEVEL1\_CODE: Administrative level 1 - Code

Data file: expose-sa-1998-2017

### Overview

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 18 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	E1	0	0%
2	E2	0	0%
3	E3	0	0%
4	E4	0	0%
5	E5	0	0%
6	E6	0	0%
7	E7	0	0%
8	E8	0	0%
9	E9	0	0%
10	EC	14508	11.7%
11	FS	7753	6.2%
12	GT	14807	11.9%
13	KZN	32324	26%
14	LI	11920	9.6%
15	MP	9040	7.3%
16	NC	8369	6.7%
17	NW	11025	8.9%
18	WC	14726	11.8%



**GEOLEVEL2\_NAME: Administrative level 2 - Name****Data file: expose-sa-1998-2017****Overview**

Valid: 124472 Invalid: 0

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 53 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Alfred Nzo District Municipality	1624	1.3%
2	Amajuba District Municipality	3023	2.4%
3	Amatole District Municipality	1585	1.3%
4	Bohlabela District Municipality	1230	1%
5	Bojanala District Municipality	2163	1.7%
6	Boland District Municipality	2992	2.4%
7	Bophirima District Municipality	2314	1.9%
8	Cacadu District Municipality	1534	1.2%
9	Capricorn District Municipality	1932	1.6%
10	Central District Municipality	2926	2.4%
11	Central Karoo District Municipality	1665	1.3%
12	Chris Hani District Municipality	2409	1.9%
13	City of Cape Town Metropolitan Municipality	4464	3.6%
14	City of Johannesburg Metropolitan Municipality	4724	3.8%
15	City of Tshwane Metropolitan Municipality	3167	2.5%
16	Eden District Municipality	1776	1.4%
17	Ehlanzeni District Municipality	2835	2.3%
18	Ekurhuleni Metropolitan Municipality	3357	2.7%
19	Ethekwini Metropolitan Municipality	6390	5.1%
20	Frances Baard District Municipality	2228	1.8%
21	Govan Mbeki District Municipality	3326	2.7%
22	iLembe District Municipality	2140	1.7%
23	Karoo District Municipality	1293	1%
24	Kgalagardi District Municipality	1579	1.3%
25	Lejweleputswa District Municipality	2105	1.7%
26	Metsweding District Municipality	838	0.7%
27	Mopani District Municipality	1950	1.6%
28	Motheo District Municipality	1882	1.5%

29	Namakwa District Municipality	1846	1.5%
30	Nelson Mandela Bay Metropolitan Municipality	2570	2.1%
31	Nkangala District Municipality	2379	1.9%
32	Northern Free State District Municipality	1071	0.9%
33	O.R. Tambo District Municipality	3124	2.5%
34	Overberg District Municipality	2248	1.8%
35	Sedibeng District Municipality	2047	1.6%
36	Sekhukhune Cross Boundary District Municipality	2486	2%
37	Sisonke District Municipality	2144	1.7%
38	Siyanda District Municipality	2563	2.1%
39	Southern District Municipality	1255	1%
40	Thabo Mofutsanyane District Municipality	1462	1.2%
41	Ugu District Municipality	3624	2.9%
42	Ukhahlamba District Municipality	1638	1.3%
43	UMgungundlovu District Municipality	2829	2.3%
44	Umkhanyakude District Municipality	1440	1.2%
45	Umzinyathi District Municipality	2307	1.9%
46	Uthukela District Municipality	3299	2.7%
47	Uthungulu District Municipality	2772	2.2%
48	Vhembe District Municipality	1944	1.6%
49	Waterberg District Municipality	2805	2.3%
50	West Coast District Municipality	1584	1.3%
51	West Rand District Municipality	1989	1.6%
52	Xhariep District Municipality	1243	1%
53	Zululand District Municipality	2352	1.9%

## GEOLEVEL2\_CODE: Administrative level 2 - Code

Data file: expose-sa-1998-2017

### Overview

Valid: 124472    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 53    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	CBDC2	838	0.7%
2	CBDC3	2486	2%

3	CBDC4	1230	1%
4	CBDC8	1989	1.6%
5	CPT	4464	3.6%
6	DC1	1584	1.3%
7	DC10	1534	1.2%
8	DC12	1585	1.3%
9	DC13	2409	1.9%
10	DC14	1638	1.3%
11	DC15	3124	2.5%
12	DC16	1243	1%
13	DC17	1882	1.5%
14	DC18	2105	1.7%
15	DC19	1462	1.2%
16	DC2	2992	2.4%
17	DC20	1071	0.9%
18	DC21	3624	2.9%
19	DC22	2829	2.3%
20	DC23	3299	2.7%
21	DC24	2307	1.9%
22	DC25	3023	2.4%
23	DC26	2352	1.9%
24	DC27	1440	1.2%
25	DC28	2772	2.2%
26	DC29	2140	1.7%
27	DC3	2248	1.8%
28	DC30	3326	2.7%
29	DC31	2379	1.9%
30	DC32	2835	2.3%
31	DC33	1950	1.6%
32	DC34	1944	1.6%
33	DC35	1932	1.6%
34	DC36	2805	2.3%
35	DC37	2163	1.7%
36	DC38	2926	2.4%
37	DC39	2314	1.9%
38	DC4	1776	1.4%
39	DC40	1255	1%
40	DC42	2047	1.6%
41	DC43	2144	1.7%

42	DC44	1624	1.3%
43	DC45	1579	1.3%
44	DC5	1665	1.3%
45	DC6	1846	1.5%
46	DC7	1293	1%
47	DC8	2563	2.1%
48	DC9	2228	1.8%
49	EKU	3357	2.7%
50	ETH	6390	5.1%
51	JHB	4724	3.8%
52	NMA	2570	2.1%
53	TSH	3167	2.5%

## GEOTYPE2: Urban/rural

Data file: expose-sa-1998-2017

### Overview

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Non-urban	57926	46.5%
2	Urban	66546	53.5%

## INTM: Interview - Month

Data file: expose-sa-1998-2017

### Overview

Valid: 124132 Invalid: 340  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 12 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	April	12846	10.3%
2	August	11431	9.2%

3	December	2870	2.3%
4	February	8559	6.9%
5	January	3634	2.9%
6	July	12695	10.2%
7	June	14279	11.5%
8	March	13466	10.8%
9	May	14575	11.7%
10	November	8185	6.6%
11	October	11508	9.2%
12	September	10084	8.1%
Sysmiss		340	

### INTY: Interview - Year

Data file: expose-sa-1998-2017

#### Overview

Valid: 124454    Invalid: 18  
 Type: Discrete    Decimal: 0    Width: 4    Range: 2003 - 2017    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
2003		3315	2.7%
2004		4792	3.8%
2008		16765	13.5%
2010		15323	12.3%
2011		2765	2.2%
2012		33229	26.7%
2014		6937	5.6%
2015		16276	13.1%
2017		25052	20.1%
Sysmiss		18	

### VISM: Anthropometry - Month

Data file: expose-sa-1998-2017

#### Overview

Valid: 124132    Invalid: 340  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 12    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	April	12846	10.3%
2	August	11431	9.2%
3	December	2870	2.3%
4	February	8559	6.9%
5	January	3634	2.9%
6	July	12695	10.2%
7	June	14279	11.5%
8	March	13466	10.8%
9	May	14575	11.7%
10	November	8185	6.6%
11	October	11508	9.2%
12	September	10084	8.1%
Sysmiss		340	

## VISQ: Anthropometry - Quarter

Data file: expose-sa-1998-2017

### Overview

Valid: 124132 Invalid: 340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	I	25659	20.6%
2	II	41700	33.5%
3	III	34210	27.5%
4	IV	22563	18.1%
Sysmiss		340	

## HH\_SIZE: Household size

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0 Minimum: 1 Maximum: 41 Mean: 5.371 Standard deviation: 3.35  
 Type: Continuous Decimal: 0 Width: 2 Range: 1 - 41 Format: Numeric

**HH\_SIZE\_CAT: Household size, categorical**

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1	8903	7.2%
2	2	13431	10.8%
3	3	16393	13.2%
4	4	18664	15%
5	5	17289	13.9%
6	6+	49792	40%

**HH\_OWNSHOME: Dwelling - Ownership**

Data file: expose-sa-1998-2017

**Overview**

Valid: 102063 Invalid: 22409  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	22442	18%
2	Yes	79621	64%
Sysmiss		22409	

**HH\_TOTROOMS: Number of rooms in dwelling**

Data file: expose-sa-1998-2017

**Overview**

Valid: 109112 Invalid: 15360 Minimum: 1 Maximum: 44 Mean: 4.448 Standard deviation: 2.462  
 Type: Continuous Decimal: 0 Width: 2 Range: 1 - 44 Format: Numeric

**HH\_SLEEPROOMS: Number of rooms for sleeping in dwelling**

Data file: expose-sa-1998-2017

**Overview**

Valid: 13668 Invalid: 110804  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 18 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		6	0%
1		1745	1.4%
2		4897	3.9%
3		4259	3.4%
4		1693	1.4%
5		610	0.5%
6		260	0.2%
7		84	0.1%
8		53	0%
9		22	0%
10		25	0%
11		1	0%
13		9	0%
14		2	0%
18		2	0%
Sysmiss		110804	

**HH\_PTOTROOMS: Number of rooms in dwelling, per household member**

Data file: expose-sa-1998-2017

**Overview**

Valid: 109112 Invalid: 15360 Minimum: 0.0286 Maximum: 24 Mean: 1.47 Standard deviation: 1.21  
 Type: Continuous Decimal: 0 Width: 18 Range: 0.0285714287310839 - 24 Format: Numeric



**HH\_PSLEEPROOMS: Number of rooms used for sleeping, per household member****Data file: expose-sa-1998-2017****Overview**

Valid: 13668 Invalid: 110804

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 8 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		6	0%
0.0625		5	0%
0.0666666701436043		15	0%
0.0714285746216774		12	0%
0.0769230797886848		12	0%
0.090909093618393		13	0%
0.100000001490116		14	0%
0.105263158679008		7	0%
0.111111111938953		74	0.1%
0.125		66	0.1%
0.133333340287209		9	0%
0.142857149243355		131	0.1%
0.150000005960464		5	0%
0.15384615957737		45	0%
0.157894730567932		10	0%
0.16666667163372		203	0.2%
0.176470592617989		9	0%
0.181818187236786		96	0.1%
0.1875		29	0%
0.200000002980232		379	0.3%
0.214285716414452		40	0%
0.222222223877907		213	0.2%
0.230769231915474		32	0%
0.235294118523598		9	0%
0.25		548	0.4%
0.272727280855179		66	0.1%
0.28571429848671		392	0.3%
0.300000011920929		142	0.1%
0.307692319154739		14	0%
0.3125		9	0%

0.333333343267441		1215	1%
0.352941185235977		9	0%
0.357142865657806		7	0%
0.363636374473572		33	0%
0.375		252	0.2%
0.384615391492844		8	0%
0.400000005960464		893	0.7%
0.416666656732559		18	0%
0.428571432828903		407	0.3%
0.444444447755814		112	0.1%
0.454545468091965		24	0%
0.461538463830948		16	0%
0.5		1874	1.5%
0.533333361148834		9	0%
0.545454561710358		14	0%
0.555555582046509		51	0%
0.571428596973419		217	0.2%
0.583333313465118		6	0%
0.600000023841858		768	0.6%
0.625		84	0.1%
0.636363625526428		5	0%
0.642857134342194		6	0%
0.666666686534882		928	0.7%
0.699999988079071		9	0%
0.714285731315613		45	0%
0.727272748947144		5	0%
0.75		738	0.6%
0.77777791023254		10	0%
0.80000011920929		262	0.2%
0.818181812763214		6	0%
0.833333313465118		67	0.1%
0.857142865657806		40	0%
0.875		8	0%
0.88888895511627		1	0%
1		1662	1.3%
1.1111116409302		6	0%
1.14285719394684		7	0%
1.1666662693024		9	0%
1.2000004768372		27	0%

1.25		79	0.1%
1.33333337306976		123	0.1%
1.39999997615814		6	0%
1.5		385	0.3%
1.66666662693024		38	0%
1.75		7	0%
1.79999995231628		2	0%
2		291	0.2%
2.25		2	0%
2.33333325386047		7	0%
2.5		26	0%
3		159	0.1%
3.5		2	0%
3.59999990463257		2	0%
3.66666674613953		1	0%
4		55	0%
5		10	0%
6		5	0%
7		2	0%
8		3	0%
Sysmiss		110804	

## HH\_DWELLINGTYPE: Dwelling - Type

Data file: expose-sa-1998-2017

### Overview

Valid: 123491 Invalid: 981

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Backyard dwelling	5793	4.7%
2	Caravan/tent	55	0%
3	Flat/apartment in block	3237	2.6%
4	Informal backyard dwelling	4076	3.3%
5	Informal dwelling not in backyard	6470	5.2%
6	Other	765	0.6%

7	Room/flatlet	993	0.8%
8	Structure (brick) on separate stand/yard	83288	66.9%
9	Town/cluster/semi-detached house in complex	2939	2.4%
10	Traditional structure made of traditional materials	15875	12.8%
Sysmiss		981	

## HH\_WALLMATERIAL: Dwelling - Wall material

Data file: expose-sa-1998-2017

### Overview

Valid: 109972 Invalid: 14500  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Brick/cement/prefab/plaster	82059	65.9%
2	Corrugated iron/zinc	9070	7.3%
3	Mud and cement mix	8923	7.2%
4	Mud/tatching/wattle and daub	6833	5.5%
5	Other	2581	2.1%
6	Plastic/cardboard	506	0.4%
Sysmiss		14500	

## HH\_FLOORMATERIAL: Dwelling - Floor material

Data file: expose-sa-1998-2017

### Overview

Valid: 93362 Invalid: 31110  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Carpet	10612	8.5%
2	Concrete/cement	37036	29.8%
3	Linoleum/vinyl	6681	5.4%
4	Mud/earth/dung	10733	8.6%

5	Other	3	0%
6	Tiles	26310	21.1%
7	Wood	1987	1.6%
Sysmiss		31110	

## HH\_ROOFMATERIAL: Dwelling - Wall material

Data file: expose-sa-1998-2017

### Overview

Valid: 101920 Invalid: 22552

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Asbestos	9467	7.6%
2	Brick/cement	4672	3.8%
3	Corrugated iron/zinc	69285	55.7%
4	Mud and cement mix	568	0.5%
5	Mud/thatching/wattle and daub	3726	3%
6	Other/No roof	62	0%
7	Plastic/cardboard	245	0.2%
8	Tile	13197	10.6%
9	Wood	698	0.6%
Sysmiss		22552	

## HH\_ROOF\_WALL\_1: Dwelling - roof/wall material: mud/thaching/wattle and daub

Data file: expose-sa-1998-2017

### Overview

Valid: 14132 Invalid: 110340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	13219	10.6%
2	Yes	913	0.7%

Sysmiss		110340	
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### HH\_ROOF\_WALL\_2: Dwelling - roof/wall material: mud and cement mix

Data file: expose-sa-1998-2017

#### Overview

Valid: 14132 Invalid: 110340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	13393	10.8%
2	Yes	739	0.6%
Sysmiss		110340	

### HH\_ROOF\_WALL\_3: Dwelling - roof/wall material: corrugated iron/zinc

Data file: expose-sa-1998-2017

#### Overview

Valid: 14132 Invalid: 110340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	8476	6.8%
2	Yes	5656	4.5%
Sysmiss		110340	

### HH\_ROOF\_WALL\_4: Dwelling - roof/wall material: plastic/cardboard

Data file: expose-sa-1998-2017

#### Overview

Valid: 14132 Invalid: 110340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	13730	11%
2	Yes	402	0.3%
Sysmiss		110340	

## HH\_ROOF\_WALL\_5: Dwelling - roof/wall material: brick/cement/prefab/plaster

Data file: expose-sa-1998-2017

### Overview

Valid: 14132 Invalid: 110340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	2884	2.3%
2	Yes	11248	9%
Sysmiss		110340	

## HH\_ROOF\_WALL\_9999: Dwelling - roof/wall material: other

Data file: expose-sa-1998-2017

### Overview

Valid: 14132 Invalid: 110340

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	11170	9%
2	Yes	2962	2.4%
Sysmiss		110340	

**HH\_WATER: Source of drinking water****Data file: expose-sa-1998-2017****Overview**

Valid: 123742 Invalid: 730

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 8 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Borehole/well	3230	2.6%
2	Other	1060	0.9%
3	Piped in dwelling	53531	43%
4	Piped on site or yard	32443	26.1%
5	Public tap	22254	17.9%
6	Rainwater tank	906	0.7%
7	Surface water	7637	6.1%
8	Water carrier/tanker	2681	2.2%
Sysmiss		730	

**HH\_TOILET: Toilet type****Data file: expose-sa-1998-2017****Overview**

Valid: 123718 Invalid: 754

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Flush toilet/chemical toilet	67983	54.6%
2	No facility/bush	5359	4.3%
3	Other	268	0.2%
4	Traditional pit latrine/bucket	32899	26.4%
5	Ventilated improved pit latrine	17209	13.8%
Sysmiss		754	



**HH\_SHAREDTOILET: Shared toilet****Data file:** expose-sa-1998-2017**Overview**

Valid: 117532    Invalid: 6940  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	92943	74.7%
2	Yes	24589	19.8%
Sysmiss		6940	

**HH\_REFUSEREMOVED: Refuse removal****Data file:** expose-sa-1998-2017**Overview**

Valid: 123416    Invalid: 1056  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	61635	49.5%
2	Yes	61781	49.6%
Sysmiss		1056	

**HH\_COOKINGFUEL: Main cooking fuel****Data file:** expose-sa-1998-2017**Overview**

Valid: 123662    Invalid: 810  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Animal dung	153	0.1%

2	Coal	1556	1.3%
3	Electricity	91087	73.2%
4	Gas	3384	2.7%
5	Other	497	0.4%
6	Paraffin	7358	5.9%
7	Wood/straw	19627	15.8%
Sysmiss		810	

## HH\_HEATINGFUEL: Main heating fuel

Data file: expose-sa-1998-2017

### Overview

Valid: 122106 Invalid: 2366  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Animal dung	222	0.2%
2	Coal	2908	2.3%
3	Electricity	75729	60.8%
4	Gas	1344	1.1%
5	Other	9163	7.4%
6	Paraffin	7049	5.7%
7	Wood/straw	25691	20.6%
Sysmiss		2366	

## HH\_COOK\_ELEC: Cooking fuel: Electricity

Data file: expose-sa-1998-2017

### Overview

Valid: 80210 Invalid: 44262  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	199	0.2%

2	Yes	80011	64.3%
Sysmiss		44262	

### HH\_COOK\_GAS: Cooking fuel: Gas

Data file: expose-sa-1998-2017

#### Overview

Valid: 3338 Invalid: 121134

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	199	0.2%
2	Yes	3139	2.5%
Sysmiss		121134	

### HH\_COOK\_PAR: Cooking fuel: Paraffin

Data file: expose-sa-1998-2017

#### Overview

Valid: 6981 Invalid: 117491

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	199	0.2%
2	Yes	6782	5.4%
Sysmiss		117491	

### HH\_COOK\_WOOD: Cooking fuel: Wood

Data file: expose-sa-1998-2017

#### Overview

Valid: 18547 Invalid: 105925

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	199	0.2%
2	Yes	18348	14.7%
Sysmiss		105925	

### HH\_COOK\_COAL: Cooking fuel: Coal

Data file: expose-sa-1998-2017

#### Overview

Valid: 1486 Invalid: 122986

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	199	0.2%
2	Yes	1287	1%
Sysmiss		122986	

### HH\_COOK\_DUNG: Cooking fuel: Dung

Data file: expose-sa-1998-2017

#### Overview

Valid: 325 Invalid: 124147

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	199	0.2%
2	Yes	126	0.1%
Sysmiss		124147	

**HH\_COOK\_OTHER: Cooking fuel: Other****Data file:** expose-sa-1998-2017**Overview**

Valid: 331 Invalid: 124141

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	199	0.2%
2	Yes	132	0.1%
Sysmiss		124141	

**HH\_RECGRANT: Household member receives goverment grant****Data file:** expose-sa-1998-2017**Overview**

Valid: 110037 Invalid: 14435

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	38936	31.3%
2	Yes	71101	57.1%
Sysmiss		14435	

**HH\_GOV SUPPORT: Household receives government support****Data file:** expose-sa-1998-2017**Overview**

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	0	0%

2	Yes	0	0%
Sysmiss		124472	

## HH\_FOODINSEC: Food insecurity

Data file: expose-sa-1998-2017

### Overview

Valid: 28359 Invalid: 96113

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	18025	14.5%
2	Yes	10334	8.3%
Sysmiss		96113	

## HH\_FOODINSEC\_ADULT: Food insecurity: adult

Data file: expose-sa-1998-2017

### Overview

Valid: 16742 Invalid: 107730

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	11093	8.9%
2	Yes	5649	4.5%
Sysmiss		107730	

## HH\_FOODINSEC\_CHILD: Food insecurity: child

Data file: expose-sa-1998-2017

### Overview

Valid: 16731 Invalid: 107741

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	12651	10.2%
2	Yes	4080	3.3%
Sysmiss		107741	

## HH\_ASS\_ELEC: Household assets: Electricity

Data file: expose-sa-1998-2017

### Overview

Valid: 109618 Invalid: 14854  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	18751	15.1%
2	Yes	90867	73%
Sysmiss		14854	

## HH\_ASS\_RADIO: Household assets: Radio

Data file: expose-sa-1998-2017

### Overview

Valid: 122916 Invalid: 1556  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	40949	32.9%
2	Yes	81967	65.9%
Sysmiss		1556	

**HH\_ASS\_TV: Household assets: TV****Data file:** expose-sa-1998-2017**Overview**

Valid: 122984    Invalid: 1488  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	28074	22.6%
2	Yes	94910	76.3%
Sysmiss		1488	

**HH\_ASS\_FRIDGE: Household assets: Fridge****Data file:** expose-sa-1998-2017**Overview**

Valid: 123039    Invalid: 1433  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	34073	27.4%
2	Yes	88966	71.5%
Sysmiss		1433	

**HH\_ASS\_BICYCLE: Household assets: Bicycle****Data file:** expose-sa-1998-2017**Overview**

Valid: 109268    Invalid: 15204  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	99669	80.1%



2	Yes	9599	7.7%
Sysmiss		15204	

## HH\_ASS\_MOTORCYCLE: Household assets: Motorcycle

Data file: expose-sa-1998-2017

### Overview

Valid: 109297 Invalid: 15175  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	107609	86.5%
2	Yes	1688	1.4%
Sysmiss		15175	

## HH\_ASS\_CAR\_TRUCK: Household assets: Car/Truck

Data file: expose-sa-1998-2017

### Overview

Valid: 122663 Invalid: 1809  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	96496	77.5%
2	Yes	26167	21%
Sysmiss		1809	

## HH\_ASS\_PHONE: Household assets: Phone (landline)

Data file: expose-sa-1998-2017

### Overview

Valid: 123242 Invalid: 1230  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	109787	88.2%
2	Yes	13455	10.8%
Sysmiss		1230	

### HH\_ASS\_COMPUTER: Household assets: Computer

Data file: expose-sa-1998-2017

#### Overview

Valid: 122673 Invalid: 1799  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	104204	83.7%
2	Yes	18469	14.8%
Sysmiss		1799	

### HH\_ASS\_WMACHINE: Household assets: Washing Machine

Data file: expose-sa-1998-2017

#### Overview

Valid: 114737 Invalid: 9735  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	77822	62.5%
2	Yes	36915	29.7%
Sysmiss		9735	

**HH\_ASS\_CELLPHONE: Household assets: Electricity****Data file:** expose-sa-1998-2017**Overview**

Valid: 122948 Invalid: 1524

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	19171	15.4%
2	Yes	103777	83.4%
Sysmiss		1524	

**HH\_ASS\_WATCH: Household assets: Phone (cellular)****Data file:** expose-sa-1998-2017**Overview**

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

**HH\_ASS\_ANIMALCART: Household assets: Animal cart****Data file:** expose-sa-1998-2017**Overview**

Valid: 101243 Invalid: 23229

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	100316	80.6%

2	Yes	927	0.7%
Sysmiss		23229	

### HH\_ASS\_MOTORBOAT: Household assets: Motorboat

Data file: expose-sa-1998-2017

#### Overview

Valid: 101246 Invalid: 23226  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	100769	81%
2	Yes	477	0.4%
Sysmiss		23226	

### HH\_ASS\_VACUUM: Household assets: Vacuum cleaner

Data file: expose-sa-1998-2017

#### Overview

Valid: 13339 Invalid: 111133  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	10750	8.6%
2	Yes	2589	2.1%
Sysmiss		111133	

### HH\_ASS\_MICROWAVE: Household assets: Microwave oven

Data file: expose-sa-1998-2017

#### Overview

Valid: 101259 Invalid: 23213  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	56969	45.8%
2	Yes	44290	35.6%
Sysmiss		23213	

### HH\_ASS\_STOVE: Household assets: Stove

Data file: expose-sa-1998-2017

#### Overview

Valid: 114925 Invalid: 9547  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	23288	18.7%
2	Yes	91637	73.6%
Sysmiss		9547	

### HH\_ASS\_SAT: Household assets: Satellite TV

Data file: expose-sa-1998-2017

#### Overview

Valid: 114635 Invalid: 9837  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	84343	67.8%
2	Yes	30292	24.3%
Sysmiss		9837	

**HH\_ASS\_VIDEO: Household assets: Videoplayer****Data file:** expose-sa-1998-2017**Overview**

Valid: 114743 Invalid: 9729  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	69259	55.6%
2	Yes	45484	36.5%
Sysmiss		9729	

**HH\_ASS\_HIFI: Household assets: hifi****Data file:** expose-sa-1998-2017**Overview**

Valid: 101279 Invalid: 23193  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	62283	50%
2	Yes	38996	31.3%
Sysmiss		23193	

**HH\_ASS\_CAMERA: Household assets: Photocamera****Data file:** expose-sa-1998-2017**Overview**

Valid: 101196 Invalid: 23276  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	91601	73.6%

2	Yes	9595	7.7%
Sysmiss		23276	

### HH\_ASS\_SMACHINE: Household assets: Sewing machine

Data file: expose-sa-1998-2017

#### Overview

Valid: 101165 Invalid: 23307  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	92787	74.5%
2	Yes	8378	6.7%
Sysmiss		23307	

### HH\_ASS\_SOFA: Household assets: Sofa

Data file: expose-sa-1998-2017

#### Overview

Valid: 101287 Invalid: 23185  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	47994	38.6%
2	Yes	53293	42.8%
Sysmiss		23185	

### HH\_ASS\_BOAT: Household assets: Boat

Data file: expose-sa-1998-2017

#### Overview

Valid: 101234 Invalid: 23238  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	100834	81%
2	Yes	400	0.3%
Sysmiss		23238	

### HH\_ASS\_PLOUGH: Household assets: Plough

Data file: expose-sa-1998-2017

#### Overview

Valid: 101281 Invalid: 23191  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	98277	79%
2	Yes	3004	2.4%
Sysmiss		23191	

### HH\_ASS\_TRACTOR: Household assets: Tractor

Data file: expose-sa-1998-2017

#### Overview

Valid: 101247 Invalid: 23225  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	100069	80.4%
2	Yes	1178	0.9%
Sysmiss		23225	



**HH\_ASS\_WHEELBARROW: Household assets: Weelbarrow****Data file:** expose-sa-1998-2017**Overview**

Valid: 101259 Invalid: 23213

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	71311	57.3%
2	Yes	29948	24.1%
Sysmiss		23213	

**HH\_ASS\_MILL: Household assets: Mill****Data file:** expose-sa-1998-2017**Overview**

Valid: 101159 Invalid: 23313

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	99701	80.1%
2	Yes	1458	1.2%
Sysmiss		23313	

**HH\_ASS\_TAB: Household assets: Table****Data file:** expose-sa-1998-2017**Overview**

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	0	0%

2	Yes	0	0%
Sysmiss		124472	

### HH\_ASS\_SINK: Household assets: Sink

Data file: expose-sa-1998-2017

#### Overview

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

### HH\_ASS\_HOTW: Household assets: Hot water

Data file: expose-sa-1998-2017

#### Overview

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

### HH\_ASS\_DISHWASHER: Household assets: Dishwasher

Data file: expose-sa-1998-2017

#### Overview

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

## HH\_INCOME\_QUINT: Household income quintile

Data file: expose-sa-1998-2017

### Overview

Valid: 102233 Invalid: 22239  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	I (Lowest)	16566	13.3%
2	II	22853	18.4%
3	III	24410	19.6%
4	IV	23209	18.6%
5	V (Highest)	15195	12.2%
Sysmiss		22239	

## HH\_EDU\_DEPRIVED: Deprivation: education

Data file: expose-sa-1998-2017

### Overview

Valid: 123046 Invalid: 1426  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	116252	93.4%
2	Yes	6794	5.5%
Sysmiss		1426	

**HH\_UNIMP\_TOILET: Deprivation: sanitation****Data file:** expose-sa-1998-2017**Overview**

Valid: 123779    Invalid: 693  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	66585	53.5%
2	Yes	57194	45.9%
Sysmiss		693	

**HH\_UNIMP\_WATER: Deprivation: water****Data file:** expose-sa-1998-2017**Overview**

Valid: 123742    Invalid: 730  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	112364	90.3%
2	Yes	11378	9.1%
Sysmiss		730	

**HH\_UNIMP\_COOKING: Deprivation: cooking fuel****Data file:** expose-sa-1998-2017**Overview**

Valid: 123662    Invalid: 810  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	101829	81.8%
2	Yes	21833	17.5%
Sysmiss		810	

### HH\_DEP1PLUS: Deprivation: 1+ indicator

Data file: expose-sa-1998-2017

#### Overview

Valid: 124472 Invalid: 0  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	56861	45.7%
2	Yes	67611	54.3%

### HH\_DEP2PLUS: Deprivation: 2+ indicators

Data file: expose-sa-1998-2017

#### Overview

Valid: 124472 Invalid: 0  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	101172	81.3%
2	Yes	23300	18.7%

### HH\_DEP3PLUS: Deprivation: 3+ indicators

Data file: expose-sa-1998-2017

#### Overview

Valid: 124472 Invalid: 0  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	118692	95.4%
2	Yes	5780	4.6%

### HH\_DEP4PLUS: Deprivation: 4+ indicators

Data file: expose-sa-1998-2017

#### Overview

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	123964	99.6%
2	Yes	508	0.4%

### HH\_INCOME: Household income

Data file: expose-sa-1998-2017

#### Overview

Valid: 102233 Invalid: 22239 Minimum: 0 Maximum: 2605523.5 Mean: 7378.88 Standard deviation: 17771.876  
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 2605523.5 Format: Numeric

### HH\_WINDEX: Household wealth index

Data file: expose-sa-1998-2017

#### Overview

Valid: 124472 Invalid: 0 Minimum: -7.486 Maximum: 9.608 Mean: 0.0156 Standard deviation: 2.725  
 Type: Continuous Decimal: 0 Width: 16 Range: -7.4855432510376 - 9.6084623336792 Format: Numeric

### HH\_WINDEX\_QUINT: Household wealth index quintile

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	I (Lowest)	32268	25.9%
2	II	25898	20.8%
3	III	24350	19.6%
4	IV	24034	19.3%
5	V (Highest)	17922	14.4%

**HH\_CWI: Comparative wealth index**

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0 Minimum: -7.143 Maximum: 10.112 Mean: 0.486 Standard deviation: 2.689  
 Type: Continuous Decimal: 0 Width: 17 Range: -7.14344310760498 - 10.1123170852661 Format: Numeric

**HH\_DEATHS12MO: Death in the household last 12 months**

Data file: expose-sa-1998-2017

**Overview**

Valid: 101697 Invalid: 22775  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	96310	77.4%
2	Yes	5387	4.3%
Sysmiss		22775	

**SEX: Sex**

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Female	72675	58.4%
2	Male	51797	41.6%

**AGE: Age**

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0 Minimum: 15 Maximum: 110 Mean: 37.486 Standard deviation: 17.607  
 Type: Continuous Decimal: 0 Width: 3 Range: 15 - 110 Format: Numeric

**AGECAT1: Age category (5 years)**

Data file: expose-sa-1998-2017

**Overview**

Valid: 124472 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	15-19	20344	16.3%
2	16-19	0	0%
3	20-24	17567	14.1%
4	25-29	14510	11.7%
5	30-34	11935	9.6%
6	35-39	10233	8.2%
7	40-44	9269	7.4%
8	45-49	8662	7%
9	50-54	8116	6.5%
10	55-59	6908	5.5%
11	60-64	5657	4.5%
12	65-69	4113	3.3%



13	70-74	3066	2.5%
14	75-79	2091	1.7%
15	80+	2001	1.6%

## AGECAT2: Age category (10 years)

Data file: expose-sa-1998-2017

### Overview

Valid: 124472    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 9    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	15-19	20344	16.3%
2	16-19	0	0%
3	20-29	32077	25.8%
4	30-39	22168	17.8%
5	40-49	17931	14.4%
6	50-59	15024	12.1%
7	60-69	9770	7.8%
8	70-79	5157	4.1%
9	80+	2001	1.6%

## RACE: Population group

Data file: expose-sa-1998-2017

### Overview

Valid: 124412    Invalid: 60  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 4    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Asian	3306	2.7%
2	Black African	97921	78.7%
3	Coloured	17974	14.4%
4	White	5211	4.2%

Sysmiss		60	
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## RACE\_IMP: Population group, imputed

Data file: expose-sa-1998-2017

### Overview

Valid: 124472 Invalid: 0  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Asian	3314	2.7%
2	Black African	97964	78.7%
3	Coloured	17982	14.4%
4	White	5212	4.2%

## MARSTATUS: Marital status

Data file: expose-sa-1998-2017

### Overview

Valid: 99560 Invalid: 24912  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Married/living with partner	32379	26%
2	Never married/single	56393	45.3%
3	Widowed/divorced/ separated	0	0%
4	Widowed/divorced/separated	10788	8.7%
Sysmiss		24912	

## EDU1: Education: categorisation 1

Data file: expose-sa-1998-2017

### Overview

Valid: 122587 Invalid: 1885

Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Any higher education	11933	9.6%
2	Completed primary	8404	6.8%
3	Completed secondary	19706	15.8%
4	No education	11980	9.6%
5	Other	329	0.3%
6	Some primary	16526	13.3%
7	Some secondary	53709	43.1%
Sysmiss		1885	

**EDU2: Education: categorisation 2**

Data file: expose-sa-1998-2017

**Overview**Valid: 122587    Invalid: 1885  
Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 6    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Completed primary	8404	6.8%
2	Completed secondary/Any higher education	31639	25.4%
3	No education	11980	9.6%
4	Other	329	0.3%
5	Some primary	16526	13.3%
6	Some secondary	53709	43.1%
Sysmiss		1885	

**EMP: Employment**

Data file: expose-sa-1998-2017

**Overview**Valid: 119890    Invalid: 4582  
Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Employed	42517	34.2%
2	Unemployed	77373	62.2%
Sysmiss		4582	

### SMOKSTATUS: Smoking status

Data file: expose-sa-1998-2017

#### Overview

Valid: 119230 Invalid: 5242  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Current smoker	22022	17.7%
2	Former smoker	4326	3.5%
3	Never smoker	92882	74.6%
Sysmiss		5242	

### CURRSMOK: Current smoker

Data file: expose-sa-1998-2017

#### Overview

Valid: 119230 Invalid: 5242  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	97208	78.1%
2	Yes	22022	17.7%
Sysmiss		5242	

**ALCSTATUS: Alcohol status****Data file: expose-sa-1998-2017****Overview**

Valid: 81573 Invalid: 42899

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Current drinker	20256	16.3%
2	Former drinker	7727	6.2%
3	Never drinker	53590	43.1%
Sysmiss		42899	

**CURRALC: Current drinker****Data file: expose-sa-1998-2017****Overview**

Valid: 95371 Invalid: 29101

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Current drinker	0	0%
2	No	71694	57.6%
3	Non-drinker	0	0%
4	Yes	23677	19%
Sysmiss		29101	

**ALCAVG: Average alcohol consumption [g/day]****Data file: expose-sa-1998-2017****Overview**

Valid: 94870 Invalid: 29602 Minimum: 0 Maximum: 313.714 Mean: 2.842 Standard deviation: 12.384

Type: Continuous Decimal: 0 Width: 16 Range: 0 - 313.714294433594 Format: Numeric

**GPAQ: GPAQ****Data file: expose-sa-1998-2017****Overview**

Valid: 19614 Invalid: 104858 Minimum: 0 Maximum: 84000 Mean: 3705.239 Standard deviation: 7393.814

Type: Continuous Decimal: 0 Width: 5 Range: 0 - 84000 Format: Numeric

**GPAQCAT: GPAQ category****Data file: expose-sa-1998-2017****Overview**

Valid: 19614 Invalid: 104858

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Highly active [8001+]	2932	2.4%
2	Inactive [0-600]	9934	8%
3	Low active [601-4000]	4954	4%
4	Moderately active [4001-8000]	1794	1.4%
Sysmiss		104858	

**EXERCISEFREQ: Exercise frequency****Data file: expose-sa-1998-2017****Overview**

Valid: 119419 Invalid: 5053

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Less than once a week	7844	6.3%
2	Never	85335	68.6%
3	Once a week	5178	4.2%
4	Three or more times a week	14857	11.9%
5	Twice a week	6205	5%
Sysmiss		5053	

**SELF\_HEALTH: Self-rated health****Data file:** expose-sa-1998-2017**Overview**

Valid: 119972    Invalid: 4500  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Average/fair	15246	12.2%
2	Good	34166	27.4%
3	Poor/bad	5847	4.7%
4	Very good/excellent	64713	52%
Sysmiss		4500	

**DIAG\_HBP: Diagnosis: Hypertension****Data file:** expose-sa-1998-2017**Overview**

Valid: 115787    Invalid: 8685  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	98608	79.2%
2	Yes	17179	13.8%
Sysmiss		8685	

**DIAG\_ISCH: Diagnosis: Heart attack/angina****Data file:** expose-sa-1998-2017**Overview**

Valid: 21922    Invalid: 102550  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	20974	16.9%
2	Yes	948	0.8%
Sysmiss		102550	

### DIAG\_STROKE: Diagnosis: Stroke

Data file: expose-sa-1998-2017

#### Overview

Valid: 119615 Invalid: 4857  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	118276	95%
2	Yes	1339	1.1%
Sysmiss		4857	

### DIAG\_CHOL: Diagnosis: Hypercholesterolaemia

Data file: expose-sa-1998-2017

#### Overview

Valid: 21394 Invalid: 103078  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	20624	16.6%
2	Yes	770	0.6%
Sysmiss		103078	



**DIAG\_DIAB: Diagnosis: Diabetes/hyperglycaemia****Data file:** expose-sa-1998-2017**Overview**

Valid: 118536 Invalid: 5936  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	113715	91.4%
2	Yes	4821	3.9%
Sysmiss		5936	

**DIAG\_EMPH: Diagnosis: Emphisema/Chronic bronchitis****Data file:** expose-sa-1998-2017**Overview**

Valid: 8044 Invalid: 116428  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	7852	6.3%
2	Yes	192	0.2%
Sysmiss		116428	

**DIAG\_ASTH: Diagnosis: Asthma****Data file:** expose-sa-1998-2017**Overview**

Valid: 105052 Invalid: 19420  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	101913	81.9%

2	Yes	3139	2.5%
Sysmiss		19420	

### DIAG\_TB: Diagnosis: Tuberculosis

Data file: expose-sa-1998-2017

#### Overview

Valid: 118261 Invalid: 6211  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	113166	90.9%
2	Yes	5095	4.1%
Sysmiss		6211	

### DIAG\_CANCER: Diagnosis: Cancer

Data file: expose-sa-1998-2017

#### Overview

Valid: 105700 Invalid: 18772  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	104938	84.3%
2	Yes	762	0.6%
Sysmiss		18772	

### DIAG\_HEART: Diagnosis: Heart problems

Data file: expose-sa-1998-2017

#### Overview

Valid: 97241 Invalid: 27231  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	95124	76.4%
2	Yes	2117	1.7%
Sysmiss		27231	

### BPMED: Medication: Hypertension

Data file: expose-sa-1998-2017

#### Overview

Valid: 118996 Invalid: 5476  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	104560	84%
2	Yes	14436	11.6%
Sysmiss		5476	

### DIABMED: Medication: Diabetes/hyperglycaemia

Data file: expose-sa-1998-2017

#### Overview

Valid: 119648 Invalid: 4824  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	115414	92.7%
2	Yes	4234	3.4%
Sysmiss		4824	

**CHOLMED: Medication: Hypercholesterolaemia****Data file: expose-sa-1998-2017****Overview**

Valid: 22239 Invalid: 102233

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	22110	17.8%
2	Yes	129	0.1%
Sysmiss		102233	

**ISCHMED: Medication: Heart attack/angina****Data file: expose-sa-1998-2017****Overview**

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	7994	6.4%
2	Yes	113	0.1%
Sysmiss		116365	

**LUNGMED: Medication: Respiratory problems****Data file: expose-sa-1998-2017****Overview**

Valid: 105603 Invalid: 18869

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	103331	83%

2	Yes	2272	1.8%
Sysmiss		18869	

## TBMED: Medication: Tuberculosis

Data file: expose-sa-1998-2017

### Overview

Valid: 105381 Invalid: 19091  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	104136	83.7%
2	Yes	1245	1%
Sysmiss		19091	

## STROKEMED: Medication: Stroke

Data file: expose-sa-1998-2017

### Overview

Valid: 105799 Invalid: 18673  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	105309	84.6%
2	Yes	490	0.4%
Sysmiss		18673	

## BP\_MED\_CODED: Medication: Hypertension, coded

Data file: expose-sa-1998-2017

### Overview

Valid: 8107 Invalid: 116365  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	7502	6%
2	Yes	605	0.5%
Sysmiss		116365	

### DIABMED\_CODED: Medication: Diabetes/hyperglycaemia, coded

Data file: expose-sa-1998-2017

#### Overview

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	7950	6.4%
2	Yes	157	0.1%
Sysmiss		116365	

### CHOLMED\_CODED: Medication: Hypercholesterolaemia, coded

Data file: expose-sa-1998-2017

#### Overview

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	8074	6.5%
2	Yes	33	0%
Sysmiss		116365	

**ISCHMED\_CODED: Medication: Heart attack/angina, coded****Data file: expose-sa-1998-2017****Overview**

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	8081	6.5%
2	Yes	26	0%
Sysmiss		116365	

**LUNGMED\_CODED: Medication: Respiratory problems, coded****Data file: expose-sa-1998-2017****Overview**

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	7918	6.4%
2	Yes	189	0.2%
Sysmiss		116365	

**TBMED\_CODED: Medication: Tuberculosis, coded****Data file: expose-sa-1998-2017****Overview**

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	8085	6.5%

2	Yes	22	0%
Sysmiss		116365	

## STROKEMED\_CODED: Medication: Stroke, coded

Data file: expose-sa-1998-2017

### Overview

Valid: 8107 Invalid: 116365

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	8106	6.5%
2	Yes	1	0%
Sysmiss		116365	

## PARITY: Parity

Data file: expose-sa-1998-2017

### Overview

Valid: 47383 Invalid: 77089

Type: Discrete Decimal: 0 Width: 2 Range: 0 - 17 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		1978	1.6%
1		11358	9.1%
2		10323	8.3%
3		7626	6.1%
4		5235	4.2%
5		3589	2.9%
6		2575	2.1%
7		1701	1.4%
8		1247	1%
9		808	0.6%
10		487	0.4%



11		246	0.2%
12		115	0.1%
13		61	0%
14		21	0%
15		7	0%
16		2	0%
17		4	0%
Sysmiss		77089	

## CURRPREG: Currently pregnant

Data file: expose-sa-1998-2017

### Overview

Valid: 57839 Invalid: 66633

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No/don't know	55943	44.9%
2	Yes	1896	1.5%
Sysmiss		66633	

## EVERPREG: Ever pregnant

Data file: expose-sa-1998-2017

### Overview

Valid: 66040 Invalid: 58432

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	14406	11.6%
2	Yes	51634	41.5%
Sysmiss		58432	

**HEIGHT1: Height [cm] - First reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 106979    Invalid: 17493    Minimum: 120    Maximum: 207.4    Mean: 162.239    Standard deviation: 8.916  
 Type: Continuous    Decimal: 0    Width: 5    Range: 120 - 207.4    Format: Numeric

---

**HEIGHT2: Height [cm] - Second reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 99063    Invalid: 25409    Minimum: 120    Maximum: 207.4    Mean: 162.284    Standard deviation: 8.871  
 Type: Continuous    Decimal: 0    Width: 5    Range: 120 - 207.4    Format: Numeric

---

**HEIGHT3: Height [cm] - Third reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 808    Invalid: 123664    Minimum: 122.4    Maximum: 207.1    Mean: 161.828    Standard deviation: 9.42  
 Type: Continuous    Decimal: 0    Width: 5    Range: 122.4 - 207.1    Format: Numeric

---

**HEIGHT: Height [cm] - Average of available readings****Data file:** expose-sa-1998-2017**Overview**

Valid: 107036    Invalid: 17436    Minimum: 120    Maximum: 207.4    Mean: 162.246    Standard deviation: 8.916  
 Type: Continuous    Decimal: 0    Width: 16    Range: 120 - 207.399993896484    Format: Numeric

---

**WEIGHT1: Weight [Kg] - First reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 106298    Invalid: 18174    Minimum: 26.9    Maximum: 198.2    Mean: 68.895    Standard deviation: 17.592  
 Type: Continuous    Decimal: 0    Width: 16    Range: 26.8999996185303 - 198.199996948242    Format: Numeric

---

**WEIGHT2: Weight [Kg] - Second reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 92752    Invalid: 31720    Minimum: 28.4    Maximum: 150.6    Mean: 69.119    Standard deviation: 17.487  
 Type: Continuous    Decimal: 0    Width: 5    Range: 28.4 - 150.6    Format: Numeric

**WEIGHT3: Weight [Kg] - Third reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 418 Invalid: 124054 Minimum: 33 Maximum: 136.2 Mean: 71.034 Standard deviation: 18.92  
Type: Continuous Decimal: 0 Width: 5 Range: 33 - 136.2 Format: Numeric

---

**WEIGHT: Weight [Kg] - Average of available readings****Data file:** expose-sa-1998-2017**Overview**

Valid: 106363 Invalid: 18109 Minimum: 26.9 Maximum: 198.2 Mean: 68.899 Standard deviation: 17.587  
Type: Continuous Decimal: 0 Width: 16 Range: 26.8999996185303 - 198.199996948242 Format: Numeric

---

**WAIST1: Waist circumference [cm] - First reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 106681 Invalid: 17791 Minimum: 30 Maximum: 218 Mean: 86.185 Standard deviation: 17.734  
Type: Continuous Decimal: 0 Width: 3 Range: 30 - 218 Format: Numeric

---

**WAIST2: Waist circumference [cm] - Second reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 98685 Invalid: 25787 Minimum: 30 Maximum: 218 Mean: 86.713 Standard deviation: 17.853  
Type: Continuous Decimal: 0 Width: 3 Range: 30 - 218 Format: Numeric

---

**WAIST3: Waist circumference [cm] - Third reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 894 Invalid: 123578 Minimum: 33 Maximum: 201 Mean: 89.121 Standard deviation: 17.417  
Type: Continuous Decimal: 0 Width: 3 Range: 33 - 201 Format: Numeric

---

**WAIST: Waist circumference [cm] - Average of available readings****Data file:** expose-sa-1998-2017

**Overview**

Valid: 106740 Invalid: 17732 Minimum: 30 Maximum: 218 Mean: 86.208 Standard deviation: 17.731  
 Type: Continuous Decimal: 0 Width: 3 Range: 30 - 218 Format: Numeric

---

**ARM1: Arm circumference [cm] - First reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 6009 Invalid: 118463 Minimum: 6.4 Maximum: 50 Mean: 29.092 Standard deviation: 5.697  
 Type: Continuous Decimal: 0 Width: 3 Range: 6.4 - 50 Format: Numeric

---

**ARM2: Arm circumference [cm] - Second reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 5876 Invalid: 118596 Minimum: 6.4 Maximum: 50 Mean: 29.139 Standard deviation: 5.653  
 Type: Continuous Decimal: 0 Width: 3 Range: 6.4 - 50 Format: Numeric

---

**ARM3: Arm circumference [cm] - Third reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 600 Invalid: 123872 Minimum: 6 Maximum: 50 Mean: 30.734 Standard deviation: 6.64  
 Type: Continuous Decimal: 0 Width: 2 Range: 6 - 50 Format: Numeric

---

**ARM: Arm circumference [cm] - Average of available readings**

Data file: expose-sa-1998-2017

**Overview**

Valid: 6024 Invalid: 118448 Minimum: 6.4 Maximum: 50 Mean: 29.091 Standard deviation: 5.694  
 Type: Continuous Decimal: 0 Width: 16 Range: 6.40000009536743 - 50 Format: Numeric

---

**HIP1: Hip circumference [cm] - First reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 13709 Invalid: 110763 Minimum: 40 Maximum: 209.4 Mean: 98.562 Standard deviation: 15.634  
 Type: Continuous Decimal: 0 Width: 16 Range: 40 - 209.399993896484 Format: Numeric

---

**HIP2: Hip circumference [cm] - Second reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 5901 Invalid: 118571 Minimum: 40 Maximum: 192.3 Mean: 100.15 Standard deviation: 15.322  
 Type: Continuous Decimal: 0 Width: 5 Range: 40 - 192.3 Format: Numeric

---

**HIP3: Hip circumference [cm] - Third reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 623 Invalid: 123849 Minimum: 59.4 Maximum: 187 Mean: 101.717 Standard deviation: 16.228  
 Type: Continuous Decimal: 0 Width: 4 Range: 59.4 - 187 Format: Numeric

---

**HIP: Hip circumference [cm] - Average of available readings****Data file:** expose-sa-1998-2017**Overview**

Valid: 13721 Invalid: 110751 Minimum: 40 Maximum: 209.4 Mean: 98.561 Standard deviation: 15.639  
 Type: Continuous Decimal: 0 Width: 16 Range: 40 - 209.399993896484 Format: Numeric

---

**SBP1: Systolic Blood Pressure [mmHg] - First reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 106248 Invalid: 18224 Minimum: 60 Maximum: 263 Mean: 124.619 Standard deviation: 22.526  
 Type: Continuous Decimal: 0 Width: 3 Range: 60 - 263 Format: Numeric

---

**SBP2: Systolic Blood Pressure [mmHg] - Second reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 105917 Invalid: 18555 Minimum: 60 Maximum: 240 Mean: 122.612 Standard deviation: 21.965  
 Type: Continuous Decimal: 0 Width: 3 Range: 60 - 240 Format: Numeric

---

**SBP3: Systolic Blood Pressure [mmHg] - Third reading****Data file:** expose-sa-1998-2017**Overview**

Valid: 12536 Invalid: 111936 Minimum: 70 Maximum: 251 Mean: 126.668 Standard deviation: 21.869  
 Type: Continuous Decimal: 0 Width: 3 Range: 70 - 251 Format: Numeric

**SBP\_MEAN1: Systolic Blood Pressure [mmHg] - Average of available readings****Data file: expose-sa-1998-2017****Overview**

Valid: 106568    Invalid: 17904    Minimum: 65    Maximum: 240    Mean: 123.481    Standard deviation: 21.691  
Type: Continuous    Decimal: 0    Width: 3    Range: 65 - 240    Format: Numeric

---

**SBP\_MEAN2: Systolic Blood Pressure [mmHg] - Average of available readings excluding the fir****Data file: expose-sa-1998-2017****Overview**

Valid: 106031    Invalid: 18441    Minimum: 60    Maximum: 240    Mean: 122.502    Standard deviation: 21.859  
Type: Continuous    Decimal: 0    Width: 3    Range: 60 - 240    Format: Numeric

---

**DBP1: Diastolic Blood Pressure [mmHg] - First reading****Data file: expose-sa-1998-2017****Overview**

Valid: 106184    Invalid: 18288    Minimum: 30    Maximum: 150    Mean: 80.054    Standard deviation: 13.873  
Type: Continuous    Decimal: 0    Width: 3    Range: 30 - 150    Format: Numeric

---

**DBP2: Diastolic Blood Pressure [mmHg] - Second reading****Data file: expose-sa-1998-2017****Overview**

Valid: 105861    Invalid: 18611    Minimum: 30    Maximum: 148    Mean: 78.889    Standard deviation: 13.581  
Type: Continuous    Decimal: 0    Width: 3    Range: 30 - 148    Format: Numeric

---

**DBP3: Diastolic Blood Pressure [mmHg] - Third reading****Data file: expose-sa-1998-2017****Overview**

Valid: 12524    Invalid: 111948    Minimum: 30    Maximum: 141    Mean: 76.637    Standard deviation: 13.247  
Type: Continuous    Decimal: 0    Width: 3    Range: 30 - 141    Format: Numeric

---

**DBP\_MEAN1: Diastolic Blood Pressure [mmHg] - Average of available readings****Data file: expose-sa-1998-2017**

**Overview**

Valid: 106536 Invalid: 17936 Minimum: 30 Maximum: 148 Mean: 79.427 Standard deviation: 13.241  
 Type: Continuous Decimal: 0 Width: 3 Range: 30 - 148 Format: Numeric

---

**DBP\_MEAN2: Diastolic Blood Pressure [mmHg] - Average of available readings excluding the fi**

Data file: expose-sa-1998-2017

**Overview**

Valid: 105983 Invalid: 18489 Minimum: 30 Maximum: 148 Mean: 78.835 Standard deviation: 13.538  
 Type: Continuous Decimal: 0 Width: 3 Range: 30 - 148 Format: Numeric

---

**RHR1: Resting Heart Rate [ppm] - First reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 106846 Invalid: 17626 Minimum: 21 Maximum: 189 Mean: 76.267 Standard deviation: 13.411  
 Type: Continuous Decimal: 0 Width: 3 Range: 21 - 189 Format: Numeric

---

**RHR2: Resting Heart Rate [ppm] - Second reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 106619 Invalid: 17853 Minimum: 22 Maximum: 186 Mean: 75.928 Standard deviation: 13.296  
 Type: Continuous Decimal: 0 Width: 3 Range: 22 - 186 Format: Numeric

---

**RHR3: Resting Heart Rate [ppm] - Third reading**

Data file: expose-sa-1998-2017

**Overview**

Valid: 12614 Invalid: 111858 Minimum: 21 Maximum: 184 Mean: 76.454 Standard deviation: 13.345  
 Type: Continuous Decimal: 0 Width: 3 Range: 21 - 184 Format: Numeric

---

**RHR\_MEAN1: Resting Heart Rate [ppm] - Average of available readings**

Data file: expose-sa-1998-2017

**Overview**

Valid: 106959 Invalid: 17513 Minimum: 24 Maximum: 177 Mean: 76.1 Standard deviation: 12.957  
 Type: Continuous Decimal: 0 Width: 3 Range: 24 - 177 Format: Numeric

---

**RHR\_MEAN2: Resting Heart Rate [ppm] - Average of available readings excluding the first****Data file:** expose-sa-1998-2017**Overview**

Valid: 106668 Invalid: 17804 Minimum: 25 Maximum: 186 Mean: 75.938 Standard deviation: 13.253  
 Type: Continuous Decimal: 0 Width: 3 Range: 25 - 186 Format: Numeric

**BMI: BMI [kg/m2]****Data file:** expose-sa-1998-2017**Overview**

Valid: 105761 Invalid: 18711 Minimum: 10.353 Maximum: 98.392 Mean: 26.262 Standard deviation: 6.882  
 Type: Continuous Decimal: 0 Width: 16 Range: 10.3532743453979 - 98.3923110961914 Format: Numeric

**BMICAT: BMI category****Data file:** expose-sa-1998-2017**Overview**

Valid: 105761 Invalid: 18711  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Healthy weight	45920	36.9%
2	Obesity I	14905	12%
3	Obesity II	7486	6%
4	Obesity III	2945	2.4%
5	Obesity IV	1641	1.3%
6	Overweight	24595	19.8%
7	Underweight	8269	6.6%
Sysmiss		18711	

**HB: Haemoglobin [g/dl]****Data file:** expose-sa-1998-2017**Overview**

Valid: 4305 Invalid: 120167  
 Type: Discrete Decimal: 0 Width: 4 Range: 5.8 - 19.9 Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
5.8		1	0%
6.3		1	0%
6.4		2	0%
6.6		1	0%
6.7		2	0%
6.8		1	0%
6.9		1	0%
7		1	0%
7.2		1	0%
7.3		2	0%
7.5		4	0%
7.6		1	0%
7.7		1	0%
7.8		2	0%
7.9		2	0%
8		2	0%
8.1		1	0%
8.2		2	0%
8.3		2	0%
8.4		3	0%
8.5		4	0%
8.6		6	0%
8.7		4	0%
8.8		7	0%
8.9		2	0%
9		8	0%
9.1		6	0%
9.2		5	0%
9.3		3	0%
9.4		2	0%
9.5		10	0%
9.6		4	0%
9.7		7	0%
9.8		9	0%
9.9		7	0%

10		10	0%
10.1		8	0%
10.2		12	0%
10.3		10	0%
10.4		18	0%
10.5		14	0%
10.6		14	0%
10.7		20	0%
10.8		28	0%
10.9		30	0%
11		26	0%
11.1		36	0%
11.2		26	0%
11.3		28	0%
11.4		33	0%
11.5		27	0%
11.6		37	0%
11.7		49	0%
11.8		47	0%
11.9		47	0%
12		61	0%
12.1		62	0%
12.2		64	0.1%
12.3		64	0.1%
12.4		78	0.1%
12.5		87	0.1%
12.6		71	0.1%
12.7		92	0.1%
12.8		96	0.1%
12.9		109	0.1%
13		117	0.1%
13.1		95	0.1%
13.2		102	0.1%
13.3		119	0.1%
13.4		110	0.1%
13.5		124	0.1%
13.6		122	0.1%
13.7		114	0.1%
13.8		111	0.1%

13.9		99	0.1%
14		96	0.1%
14.1		101	0.1%
14.2		109	0.1%
14.3		86	0.1%
14.4		85	0.1%
14.5		93	0.1%
14.6		80	0.1%
14.7		91	0.1%
14.8		90	0.1%
14.9		65	0.1%
15		60	0%
15.1		75	0.1%
15.2		48	0%
15.3		47	0%
15.4		68	0.1%
15.5		58	0%
15.6		60	0%
15.7		49	0%
15.8		32	0%
15.9		39	0%
16		34	0%
16.1		31	0%
16.2		29	0%
16.3		27	0%
16.4		30	0%
16.5		18	0%
16.6		22	0%
16.7		18	0%
16.8		19	0%
16.9		17	0%
17		14	0%
17.1		9	0%
17.2		8	0%
17.3		11	0%
17.4		12	0%
17.5		13	0%
17.6		3	0%
17.7		5	0%

17.8		2	0%
17.9		2	0%
18		3	0%
18.1		1	0%
18.4		4	0%
18.5		4	0%
18.8		1	0%
19.1		1	0%
19.9		1	0%
Sysmiss		120167	

### HBA1C: Glycated Haemoglobin (HbA1c) [mmol/mol]

Data file: expose-sa-1998-2017

#### Overview

Valid: 3874 Invalid: 120598 Minimum: 14.754 Maximum: 145.902 Mean: 41.259 Standard deviation: 12.153

Type: Continuous Decimal: 0 Width: 16 Range: 14.754150390625 - 145.902145385742 Format: Numeric

### CHOL\_TOT: Total cholesterol [mmol/l]

Data file: expose-sa-1998-2017

#### Overview

Valid: 4454 Invalid: 120018

Type: Discrete Decimal: 0 Width: 16 Range: 1.60000002384186 - 11.8000001907349 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1.60000002384186		1	0%
1.70000004768372		2	0%
1.89999997615814		4	0%
2		4	0%
2.09999990463257		6	0%
2.20000004768372		6	0%
2.29999995231628		18	0%
2.40000009536743		12	0%
2.5		32	0%
2.59999990463257		26	0%

2.70000004768372		34	0%
2.79999995231628		68	0.1%
2.90000009536743		66	0.1%
3		79	0.1%
3.09999990463257		78	0.1%
3.20000004768372		99	0.1%
3.29999995231628		118	0.1%
3.40000009536743		127	0.1%
3.5		154	0.1%
3.59999990463257		157	0.1%
3.70000004768372		163	0.1%
3.79999995231628		171	0.1%
3.90000009536743		169	0.1%
4		165	0.1%
4.09999990463257		187	0.2%
4.19999980926514		161	0.1%
4.30000019073486		155	0.1%
4.40000009536743		133	0.1%
4.5		135	0.1%
4.59999990463257		144	0.1%
4.69999980926514		149	0.1%
4.80000019073486		154	0.1%
4.90000009536743		127	0.1%
5		124	0.1%
5.09999990463257		117	0.1%
5.19999980926514		105	0.1%
5.30000019073486		94	0.1%
5.40000009536743		107	0.1%
5.5		97	0.1%
5.59999990463257		72	0.1%
5.69999980926514		74	0.1%
5.80000019073486		57	0%
5.90000009536743		54	0%
6		48	0%
6.09999990463257		48	0%
6.19999980926514		56	0%
6.30000019073486		36	0%
6.40000009536743		32	0%
6.5		24	0%

6.59999990463257		20	0%
6.69999980926514		21	0%
6.80000019073486		17	0%
6.90000009536743		12	0%
7		16	0%
7.09999990463257		22	0%
7.19999980926514		17	0%
7.30000019073486		10	0%
7.40000009536743		14	0%
7.5		7	0%
7.59999990463257		7	0%
7.69999980926514		6	0%
7.80000019073486		6	0%
7.90000009536743		4	0%
8		1	0%
8.10000038146973		4	0%
8.19999980926514		2	0%
8.30000019073486		3	0%
8.39999961853027		3	0%
8.5		1	0%
8.60000038146973		1	0%
8.69999980926514		1	0%
8.80000019073486		2	0%
8.89999961853027		1	0%
9		1	0%
9.30000019073486		2	0%
10.1999998092651		1	0%
10.6000003814697		1	0%
10.8999996185303		1	0%
11.8000001907349		1	0%
Sysmiss		120018	

## CHOL\_HDL: High-density lipoprotein (HDL) cholesterol [mmol/l]

Data file: expose-sa-1998-2017

### Overview

Valid: 4433 Invalid: 120039

Type: Discrete Decimal: 0 Width: 3 Range: 0.2 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0.2		1	0%
0.29		1	0%
0.3		1	0%
0.34		1	0%
0.36		1	0%
0.38		2	0%
0.39		1	0%
0.4		3	0%
0.45		1	0%
0.47		1	0%
0.48		1	0%
0.49		2	0%
0.5		5	0%
0.52		1	0%
0.54		2	0%
0.55		1	0%
0.57		1	0%
0.58		1	0%
0.59		1	0%
0.6		36	0%
0.61		2	0%
0.62		3	0%
0.63		2	0%
0.64		3	0%
0.65		5	0%
0.66		6	0%
0.67		6	0%
0.68		4	0%
0.69		6	0%
0.7		72	0.1%
0.71		8	0%
0.72		12	0%
0.73		10	0%
0.74		10	0%
0.75		12	0%

0.76		15	0%
0.77		10	0%
0.78		14	0%
0.79		12	0%
0.8		143	0.1%
0.81		19	0%
0.82		15	0%
0.83		12	0%
0.84		20	0%
0.85		19	0%
0.86		26	0%
0.87		23	0%
0.88		23	0%
0.89		15	0%
0.9		181	0.1%
0.91		35	0%
0.92		26	0%
0.93		24	0%
0.94		34	0%
0.95		24	0%
0.96		27	0%
0.97		26	0%
0.98		28	0%
0.99		29	0%
1		222	0.2%
1.01		21	0%
1.02		30	0%
1.03		36	0%
1.04		27	0%
1.05		32	0%
1.06		30	0%
1.07		27	0%
1.08		34	0%
1.09		25	0%
1.1		237	0.2%
1.11		18	0%
1.12		40	0%
1.13		36	0%
1.14		23	0%



1.15		30	0%
1.16		27	0%
1.17		32	0%
1.18		31	0%
1.19		36	0%
1.2		223	0.2%
1.21		36	0%
1.22		28	0%
1.23		30	0%
1.24		35	0%
1.25		28	0%
1.26		24	0%
1.27		29	0%
1.28		26	0%
1.29		28	0%
1.3		212	0.2%
1.31		27	0%
1.32		24	0%
1.33		34	0%
1.34		25	0%
1.35		24	0%
1.36		31	0%
1.37		20	0%
1.38		23	0%
1.39		28	0%
1.4		186	0.1%
1.41		17	0%
1.42		23	0%
1.43		23	0%
1.44		22	0%
1.45		27	0%
1.46		21	0%
1.47		21	0%
1.48		16	0%
1.49		22	0%
1.5		127	0.1%
1.51		14	0%
1.52		10	0%
1.53		15	0%

1.54		25	0%
1.55		16	0%
1.56		16	0%
1.57		20	0%
1.58		14	0%
1.59		13	0%
1.6		100	0.1%
1.61		11	0%
1.62		13	0%
1.63		15	0%
1.64		14	0%
1.65		15	0%
1.66		12	0%
1.67		15	0%
1.68		15	0%
1.69		8	0%
1.7		70	0.1%
1.71		12	0%
1.72		6	0%
1.73		9	0%
1.74		9	0%
1.75		10	0%
1.76		10	0%
1.77		11	0%
1.78		12	0%
1.79		5	0%
1.8		49	0%
1.81		12	0%
1.82		7	0%
1.83		5	0%
1.84		10	0%
1.85		7	0%
1.86		7	0%
1.87		8	0%
1.88		7	0%
1.89		2	0%
1.9		39	0%
1.91		6	0%
1.92		4	0%

1.93		7	0%
1.94		3	0%
1.95		3	0%
1.96		7	0%
1.97		9	0%
1.98		7	0%
1.99		3	0%
2		27	0%
2.01		7	0%
2.02		9	0%
2.03		3	0%
2.04		4	0%
2.05		1	0%
2.06		3	0%
2.07		3	0%
2.08		4	0%
2.09		3	0%
2.1		21	0%
2.11		8	0%
2.12		1	0%
2.13		5	0%
2.14		2	0%
2.15		4	0%
2.16		2	0%
2.17		5	0%
2.18		3	0%
2.19		4	0%
2.2		15	0%
2.21		2	0%
2.23		3	0%
2.24		2	0%
2.25		3	0%
2.26		1	0%
2.27		4	0%
2.28		5	0%
2.29		3	0%
2.3		7	0%
2.31		1	0%
2.33		2	0%

2.34		1	0%
2.35		2	0%
2.36		3	0%
2.37		2	0%
2.38		6	0%
2.39		3	0%
2.4		2	0%
2.41		2	0%
2.42		1	0%
2.43		1	0%
2.44		2	0%
2.45		1	0%
2.46		2	0%
2.5		9	0%
2.51		2	0%
2.53		2	0%
2.54		1	0%
2.55		1	0%
2.56		1	0%
2.58		1	0%
2.59		1	0%
2.6		1	0%
2.61		1	0%
2.62		1	0%
2.64		1	0%
2.67		1	0%
2.68		4	0%
2.69		2	0%
2.7		2	0%
2.71		1	0%
2.72		2	0%
2.77		1	0%
2.79		2	0%
2.8		1	0%
2.82		1	0%
2.88		2	0%
2.9		1	0%
2.93		2	0%
2.94		1	0%

2.97		1	0%
2.99		1	0%
3		1	0%
3.04		1	0%
3.12		1	0%
3.2		1	0%
3.25		1	0%
3.29		1	0%
3.3		1	0%
3.38		2	0%
3.4		1	0%
3.5		2	0%
3.56		1	0%
3.75		1	0%
4		1	0%
Sysmiss		120039	

## CHOL\_LDL: Low-density lipoprotein (LDL) cholesterol [mmol/l]

Data file: expose-sa-1998-2017

### Overview

Valid: 1733 Invalid: 122739

Type: Discrete Decimal: 0 Width: 3 Range: 0.1 - 6.1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0.1		1	0%
0.3		1	0%
0.4		1	0%
0.5		6	0%
0.7		6	0%
0.8		6	0%
0.9		7	0%
1		13	0%
1.1		13	0%
1.2		19	0%
1.3		29	0%

1.4		37	0%
1.5		47	0%
1.6		62	0%
1.7		66	0.1%
1.8		65	0.1%
1.9		89	0.1%
2		78	0.1%
2.1		85	0.1%
2.2		82	0.1%
2.3		76	0.1%
2.4		83	0.1%
2.5		78	0.1%
2.6		77	0.1%
2.7		59	0%
2.8		63	0.1%
2.9		72	0.1%
3		65	0.1%
3.1		55	0%
3.2		56	0%
3.3		47	0%
3.4		38	0%
3.5		32	0%
3.6		28	0%
3.7		27	0%
3.8		25	0%
3.9		21	0%
4		16	0%
4.1		10	0%
4.2		15	0%
4.3		9	0%
4.4		16	0%
4.5		10	0%
4.6		5	0%
4.7		8	0%
4.8		2	0%
4.9		4	0%
5		5	0%
5.1		4	0%
5.2		3	0%

5.3		4	0%
5.4		2	0%
5.6		1	0%
5.7		1	0%
6		1	0%
6.1		2	0%
Sysmiss		122739	

## TRIG: Triglycerides [mmol/l]

Data file: expose-sa-1998-2017

### Overview

Valid: 4435 Invalid: 120037

Type: Discrete Decimal: 0 Width: 17 Range: 0.150000005960464 - 14.2200002670288 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0.150000005960464		1	0%
0.180000007152557		1	0%
0.189999997615814		2	0%
0.209999993443489		2	0%
0.230000004172325		1	0%
0.239999994635582		2	0%
0.25		1	0%
0.259999990463257		3	0%
0.270000010728836		3	0%
0.280000001192093		4	0%
0.28999999165535		4	0%
0.300000011920929		10	0%
0.310000002384186		7	0%
0.319999992847443		6	0%
0.330000013113022		5	0%
0.340000003576279		9	0%
0.349999994039536		8	0%
0.360000014305115		5	0%
0.370000004768372		8	0%
0.379999995231628		15	0%

0.389999985694885		8	0%
0.400000005960464		17	0%
0.409999996423721		16	0%
0.419999986886978		20	0%
0.430000007152557		17	0%
0.439999997615814		20	0%
0.449999988079071		23	0%
0.46000000834465		16	0%
0.469999998807907		22	0%
0.479999989271164		27	0%
0.490000009536743		30	0%
0.5		21	0%
0.509999990463257		30	0%
0.519999980926514		23	0%
0.52999997138977		20	0%
0.540000021457672		35	0%
0.550000011920929		16	0%
0.560000002384186		27	0%
0.569999992847443		28	0%
0.5799999833107		33	0%
0.589999973773956		38	0%
0.600000023841858		31	0%
0.610000014305115		26	0%
0.620000004768372		33	0%
0.629999995231628		37	0%
0.639999985694885		36	0%
0.649999976158142		35	0%
0.660000026226044		38	0%
0.6700000166893		30	0%
0.680000007152557		23	0%
0.689999997615814		33	0%
0.699999988079071		45	0%
0.709999978542328		46	0%
0.72000002861023		31	0%
0.730000019073486		43	0%
0.740000009536743		34	0%
0.75		41	0%
0.759999990463257		27	0%
0.769999980926514		40	0%



0.77999997138977		34	0%
0.790000021457672		29	0%
0.800000011920929		40	0%
0.810000002384186		40	0%
0.819999992847443		31	0%
0.8299999833107		34	0%
0.839999973773956		30	0%
0.850000023841858		34	0%
0.860000014305115		40	0%
0.870000004768372		35	0%
0.879999995231628		37	0%
0.889999985694885		26	0%
0.899999976158142		35	0%
0.910000026226044		31	0%
0.9200000166893		30	0%
0.930000007152557		38	0%
0.939999997615814		38	0%
0.949999988079071		18	0%
0.959999978542328		35	0%
0.97000002861023		28	0%
0.980000019073486		26	0%
0.990000009536743		29	0%
1		25	0%
1.00999999046326		27	0%
1.01999998092651		27	0%
1.02999997138977		32	0%
1.03999996185303		35	0%
1.04999995231628		32	0%
1.05999994277954		34	0%
1.07000005245209		30	0%
1.08000004291534		28	0%
1.0900000333786		27	0%
1.10000002384186		26	0%
1.11000001430511		26	0%
1.12000000476837		23	0%
1.12999999523163		30	0%
1.13999998569489		23	0%
1.14999997615814		22	0%
1.1599999666214		27	0%

1.16999995708466		29	0%
1.17999994754791		26	0%
1.19000005722046		30	0%
1.20000004768372		31	0%
1.21000003814697		17	0%
1.22000002861023		21	0%
1.23000001907349		19	0%
1.24000000953674		31	0%
1.25		26	0%
1.25999999046326		22	0%
1.26999998092651		25	0%
1.27999997138977		34	0%
1.28999996185303		17	0%
1.29999995231628		18	0%
1.30999994277954		22	0%
1.32000005245209		15	0%
1.33000004291534		21	0%
1.3400000333786		21	0%
1.35000002384186		15	0%
1.36000001430511		24	0%
1.37000000476837		21	0%
1.37999999523163		10	0%
1.38999998569489		27	0%
1.39999997615814		17	0%
1.4099999666214		19	0%
1.41999995708466		17	0%
1.42999994754791		16	0%
1.44000005722046		20	0%
1.45000004768372		18	0%
1.46000003814697		14	0%
1.47000002861023		12	0%
1.48000001907349		23	0%
1.49000000953674		28	0%
1.5		17	0%
1.50999999046326		15	0%
1.51999998092651		12	0%
1.52999997138977		23	0%
1.53999996185303		14	0%
1.54999995231628		17	0%

1.55999994277954		18	0%
1.57000005245209		14	0%
1.58000004291534		11	0%
1.5900000333786		15	0%
1.60000002384186		12	0%
1.61000001430511		15	0%
1.62000000476837		7	0%
1.62999999523163		17	0%
1.63999998569489		11	0%
1.64999997615814		13	0%
1.6599999666214		10	0%
1.66999995708466		12	0%
1.67999994754791		18	0%
1.69000005722046		22	0%
1.70000004768372		16	0%
1.71000003814697		19	0%
1.72000002861023		9	0%
1.73000001907349		13	0%
1.74000000953674		12	0%
1.75		11	0%
1.75999999046326		11	0%
1.76999998092651		15	0%
1.77999997138977		13	0%
1.78999996185303		12	0%
1.79999995231628		12	0%
1.80999994277954		12	0%
1.82000005245209		7	0%
1.83000004291534		10	0%
1.8400000333786		8	0%
1.85000002384186		8	0%
1.86000001430511		6	0%
1.87000000476837		9	0%
1.87999999523163		2	0%
1.88999998569489		10	0%
1.89999997615814		8	0%
1.9099999666214		8	0%
1.91999995708466		10	0%
1.92999994754791		7	0%
1.94000005722046		9	0%

1.95000004768372		10	0%
1.96000003814697		6	0%
1.97000002861023		7	0%
1.98000001907349		7	0%
1.99000000953674		8	0%
2		11	0%
2.00999999046326		6	0%
2.01999998092651		12	0%
2.02999997138977		11	0%
2.03999996185303		3	0%
2.04999995231628		5	0%
2.05999994277954		14	0%
2.0699999332428		4	0%
2.07999992370605		6	0%
2.08999991416931		5	0%
2.09999990463257		7	0%
2.10999989509583		3	0%
2.11999988555908		6	0%
2.13000011444092		12	0%
2.14000010490417		12	0%
2.15000009536743		8	0%
2.16000008583069		10	0%
2.17000007629395		8	0%
2.1800000667572		10	0%
2.19000005722046		6	0%
2.20000004768372		6	0%
2.21000003814697		4	0%
2.22000002861023		8	0%
2.23000001907349		6	0%
2.24000000953674		7	0%
2.25		5	0%
2.25999999046326		6	0%
2.26999998092651		3	0%
2.27999997138977		3	0%
2.28999996185303		9	0%
2.29999995231628		3	0%
2.30999994277954		11	0%
2.3199999332428		7	0%
2.32999992370605		15	0%

2.33999991416931		3	0%
2.34999990463257		9	0%
2.35999989509583		4	0%
2.36999988555908		9	0%
2.38000011444092		8	0%
2.39000010490417		4	0%
2.40000009536743		5	0%
2.41000008583069		1	0%
2.42000007629395		8	0%
2.4300000667572		10	0%
2.44000005722046		6	0%
2.45000004768372		3	0%
2.46000003814697		7	0%
2.47000002861023		6	0%
2.48000001907349		2	0%
2.49000000953674		4	0%
2.5		4	0%
2.50999999046326		3	0%
2.51999998092651		4	0%
2.52999997138977		2	0%
2.53999996185303		6	0%
2.54999995231628		4	0%
2.55999994277954		4	0%
2.5699999332428		3	0%
2.57999992370605		5	0%
2.58999991416931		4	0%
2.59999990463257		1	0%
2.60999989509583		3	0%
2.61999988555908		5	0%
2.63000011444092		2	0%
2.64000010490417		5	0%
2.66000008583069		5	0%
2.67000007629395		1	0%
2.6800000667572		5	0%
2.69000005722046		3	0%
2.70000004768372		5	0%
2.71000003814697		4	0%
2.72000002861023		5	0%
2.73000001907349		3	0%

2.7400000953674		3	0%
2.75		3	0%
2.75999999046326		2	0%
2.76999998092651		1	0%
2.77999997138977		4	0%
2.78999996185303		5	0%
2.79999995231628		5	0%
2.80999994277954		6	0%
2.8199999332428		5	0%
2.82999992370606		2	0%
2.83999991416931		6	0%
2.84999990463257		2	0%
2.85999989509582		4	0%
2.86999988555908		2	0%
2.88000011444092		2	0%
2.89000010490418		6	0%
2.90000009536743		5	0%
2.91000008583069		7	0%
2.92000007629394		3	0%
2.9300000667572		1	0%
2.94000005722046		1	0%
2.95000004768372		1	0%
2.96000003814697		2	0%
2.97000002861023		3	0%
2.98000001907349		3	0%
2.99000000953674		1	0%
3		2	0%
3.00999999046326		5	0%
3.01999998092651		3	0%
3.05999994277954		1	0%
3.0699999332428		3	0%
3.07999992370606		3	0%
3.08999991416931		2	0%
3.09999990463257		1	0%
3.10999989509582		1	0%
3.11999988555908		2	0%
3.13000011444092		1	0%
3.14000010490418		2	0%
3.15000009536743		3	0%

3.16000008583069		1	0%
3.17000007629394		2	0%
3.1800000667572		2	0%
3.20000004768372		1	0%
3.21000003814697		2	0%
3.22000002861023		3	0%
3.23000001907349		4	0%
3.24000000953674		1	0%
3.25		2	0%
3.25999999046326		2	0%
3.26999998092651		1	0%
3.27999997138977		2	0%
3.28999996185303		2	0%
3.29999995231628		1	0%
3.30999994277954		1	0%
3.34999990463257		2	0%
3.35999989509582		3	0%
3.36999988555908		2	0%
3.39000010490418		1	0%
3.4300000667572		1	0%
3.45000004768372		1	0%
3.47000002861023		1	0%
3.48000001907349		1	0%
3.49000000953674		1	0%
3.5		1	0%
3.50999999046326		1	0%
3.52999997138977		1	0%
3.53999996185303		2	0%
3.55999994277954		3	0%
3.5699999332428		2	0%
3.57999992370606		5	0%
3.59999990463257		1	0%
3.60999989509582		1	0%
3.63000011444092		2	0%
3.64000010490418		1	0%
3.65000009536743		2	0%
3.66000008583069		1	0%
3.6800000667572		1	0%
3.69000005722046		1	0%

3.70000004768372		2	0%
3.72000002861023		3	0%
3.75		2	0%
3.75999999046326		2	0%
3.79999995231628		2	0%
3.80999994277954		1	0%
3.83999991416931		2	0%
3.84999990463257		3	0%
3.88000011444092		1	0%
3.91000008583069		1	0%
3.9300000667572		1	0%
3.94000005722046		2	0%
3.95000004768372		1	0%
3.97000002861023		3	0%
4		1	0%
4.03000020980835		1	0%
4.03999996185303		1	0%
4.05999994277954		1	0%
4.09999990463257		2	0%
4.1100001335144		3	0%
4.11999988555908		2	0%
4.13000011444092		2	0%
4.15999984741211		1	0%
4.17000007629394		1	0%
4.19000005722046		1	0%
4.21999979019165		1	0%
4.23000001907349		1	0%
4.26000022888184		1	0%
4.28000020980835		1	0%
4.30000019073486		2	0%
4.32000017166138		2	0%
4.3600001335144		1	0%
4.40000009536743		2	0%
4.42999982833862		1	0%
4.44000005722046		1	0%
4.44999980926514		1	0%
4.51000022888184		1	0%
4.51999998092651		1	0%
4.53000020980835		2	0%



4.57000017166138		1	0%
4.61999988555908		1	0%
4.6399998664856		1	0%
4.67000007629394		1	0%
4.67999982833862		2	0%
4.69000005722046		1	0%
4.69999980926514		1	0%
4.76000022888184		1	0%
4.76999998092651		1	0%
4.78999996185303		1	0%
4.8600001335144		1	0%
4.86999988555908		1	0%
4.92000007629394		1	0%
4.96000003814697		1	0%
4.98999977111816		3	0%
5.05999994277954		1	0%
5.07999992370606		1	0%
5.09000015258789		1	0%
5.09999990463257		1	0%
5.1100001335144		1	0%
5.15999984741211		1	0%
5.17999982833862		1	0%
5.21000003814697		1	0%
5.23999977111816		1	0%
5.26000022888184		1	0%
5.28999996185303		1	0%
5.30999994277954		1	0%
5.34000015258789		1	0%
5.34999990463257		1	0%
5.44000005722046		1	0%
5.48999977111816		1	0%
5.55000019073486		1	0%
5.65000009536743		1	0%
5.69999980926514		1	0%
5.73999977111816		1	0%
5.82000017166138		2	0%
5.92000007629394		1	0%
5.96000003814697		1	0%
5.96999979019165		1	0%

5.98999977111816		1	0%
6.05999994277954		1	0%
6.07000017166138		1	0%
6.09000015258789		1	0%
6.15000009536743		1	0%
6.19999980926514		1	0%
6.28999996185303		1	0%
6.48999977111816		1	0%
6.51000022888184		1	0%
6.51999998092651		1	0%
6.59000015258789		2	0%
6.90999984741211		1	0%
6.94999980926514		1	0%
7.09000015258789		1	0%
7.1399998664856		1	0%
8.18000030517578		1	0%
8.44999980926514		1	0%
8.46000003814697		2	0%
8.56999969482422		1	0%
8.60000038146973		1	0%
8.81999969482422		1	0%
10.9499998092651		1	0%
12.3000001907349		1	0%
13.7399997711182		1	0%
14.2200002670288		1	0%
Sysmiss		120037	

## MEDAID: Covered by medical insurance

Data file: expose-sa-1998-2017

### Overview

Valid: 118912 Invalid: 5560

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	105520	84.8%

2	Yes	13392	10.8%
Sysmiss		5560	

## HCARE12MO: Health consultation last 12 months

Data file: expose-sa-1998-2017

### Overview

Valid: 96304 Invalid: 28168

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	52739	42.4%
2	Yes	43565	35%
Sysmiss		28168	

## HCARE1MO: Healthcare consultations last month

Data file: expose-sa-1998-2017

### Overview

Valid: 104411 Invalid: 20061

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No	78444	63%
2	Yes	25967	20.9%
Sysmiss		20061	

## HCARE1MO\_PUBLIC: Healthcare last month: public hospital/clinic

Data file: expose-sa-1998-2017

### Overview

Valid: 112159 Invalid: 12313

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	93193	74.9%
2	Yes	18966	15.2%
Sysmiss		12313	

## HCARE1MO\_PRIVATE: Healthcare last month: private hospital/clinic/doctor

Data file: expose-sa-1998-2017

### Overview

Valid: 101554 Invalid: 22918

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	93748	75.3%
2	Yes	7806	6.3%
Sysmiss		22918	

## OHCARE1MO: Outpatient consultations last month

Data file: expose-sa-1998-2017

### Overview

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

**OHCARE1MO\_PUBLIC: Outpatient healthcare last month: public hospital/clinic****Data file:** expose-sa-1998-2017**Overview**

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

**OHCARE1MO\_PRIVATE: Outpatient healthcare last month: private hospital/clinic/doctor****Data file:** expose-sa-1998-2017**Overview**

Valid: 0 Invalid: 124472

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	0	0%
2	Yes	0	0%
Sysmiss		124472	

**HCARE1MO\_CHEM\_NURSE: Healthcare last month: chemist/pharmacist/nurse****Data file:** expose-sa-1998-2017**Overview**

Valid: 81447 Invalid: 43025

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No	80799	64.9%

2	Yes	648	0.5%
Sysmiss		43025	

### HCARE1MO\_TRAD: Healthcare last month: traditional/faith healer

Data file: expose-sa-1998-2017

#### Overview

Valid: 81305 Invalid: 43167

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	80690	64.8%
2	Yes	615	0.5%
Sysmiss		43167	

### HCARE1MO\_OTHER: Healthcare last month: other

Data file: expose-sa-1998-2017

#### Overview

Valid: 25110 Invalid: 99362

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No	24775	19.9%
2	Yes	335	0.3%
Sysmiss		99362	

### GLOBORISK\_NONLAB: Globorisk CVD non laboratory risk score

Data file: expose-sa-1998-2017

#### Overview

Valid: 37686 Invalid: 86786 Minimum: 0.292 Maximum: 84.901 Mean: 11.606 Standard deviation: 10.995

Type: Continuous Decimal: 0 Width: 17 Range: 0.292137373896595 - 84.9005143114078 Format: Numeric

**GLOBORISK\_LAB: Globorisk CVD laboratory risk score****Data file:** expose-sa-1998-2017**Overview**

Valid: 1803 Invalid: 122669 Minimum: 0.465 Maximum: 91.23 Mean: 14.658 Standard deviation: 13.86  
 Type: Continuous Decimal: 0 Width: 17 Range: 0.464626354376685 - 91.2298899337501 Format: Numeric

---

**GLOBORISK\_LAB\_FATAL: Globorisk CVD fatal risk score****Data file:** expose-sa-1998-2017**Overview**

Valid: 1803 Invalid: 122669 Minimum: 0.0873 Maximum: 87.778 Mean: 8.18 Standard deviation: 11.247  
 Type: Continuous Decimal: 0 Width: 18 Range: 0.0873186434611428 - 87.7784120301072 Format: Numeric

---

**WHO\_NONLAB: WHO/ISH CVD non laboratory risk score****Data file:** expose-sa-1998-2017**Overview**

Valid: 39324 Invalid: 85148 Minimum: 0.404 Maximum: 53.707 Mean: 6.727 Standard deviation: 5.633  
 Type: Continuous Decimal: 0 Width: 17 Range: 0.403943751007318 - 53.7067711353302 Format: Numeric

---

**WHO\_LAB: WHO/ISH CVD non laboratory risk score****Data file:** expose-sa-1998-2017**Overview**

Valid: 1885 Invalid: 122587 Minimum: 0.823 Maximum: 47.496 Mean: 8.087 Standard deviation: 6.657  
 Type: Continuous Decimal: 0 Width: 17 Range: 0.823385640978813 - 47.4960148334503 Format: Numeric

---

**FHS\_NONLAB: Framingham CVD non laboratory risk score****Data file:** expose-sa-1998-2017**Overview**

Valid: 54075 Invalid: 70397 Minimum: 1 Maximum: 30 Mean: 9.689 Standard deviation: 9.089  
 Type: Continuous Decimal: 0 Width: 2 Range: 1 - 30 Format: Numeric

---

## Download related resources

### Other materials

#### Codebook: harmised ExPoSE England dataset

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Title	Codebook: harmised ExPoSE England dataset
Author(s)	Adjaye-Gbewonyo, Kafui & Cois, Annibale
Date	2024-01-01
Country	England
Language	English
Contributor(s)	This is the codebook for the data from England.
Publisher(s)	ExPoSE Project
Description	This is the codebook for the data from England
Filename	expose-1998-2017-codebk-eng.pdf

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#### [ExPoSE 1998-2017 harmonisation code]

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Title	[ExPoSE 1998-2017 harmonisation code]
Author(s)	Adjaye-Gbewonyo, Kafui and Cois, Annibale
Date	2024
Country	England and South Africa
Language	England
Publisher(s)	ExPoSE Project
Description	This is a zipped folder containing the code used to harmonise the data
Filename	expose-1998-2017-code.zip

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#### Codebook: harmised ExPoSE South Africa dataset

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Title	Codebook: harmised ExPoSE South Africa dataset
Author(s)	Adjaye-Gbewonyo, Kafui & Cois, Annibale
Date	2024
Country	South Africa
Language	English
Publisher(s)	ExPoSE Project
Description	This is the codebook for the data for South Africa
Filename	expose-1998-2017-codebk-sa.pdf

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