																$\overline{}$	
								_				Coverage		_		1 1	1
					0		고	Remove				rage		Post Adjustment Imputation	Deriv	1 . 1	1
					pera	Load	Remove	ove		Deri	Edit	Es	Coverage	t Ad	8	Assi	Dis
					atio		¥e	M	Filter	_	t and	Estimation	erae	just	Variables	ssign	isclosure
					na	and V	False	Multiple	er 7	∕ed V	d T	atio		lme	iabl	Output	sure
					Tes	Validation	ě 70	о 20	Rules	aria	Imputation	n ar	Inputation	nt Ir	es.	ut T	റ
					ô	datio	ècc	esp	ű	iables	atic	and /	tatio	npu	င္ပ	Are	ontrol
					(OPT)	ĭ	Records	Responses		S.	ă	Adjustment	on	ıtati	Complex	äs	<u> </u>
								es				ıstm		9	ex	1 1	1
Check	Variable(s)	Comparator(s)	Technical Detail	Visualisation / Analysis								nent				1 1	1
Population Count Checks	variable(s)	Comparator(s)	recillical Detail	Visualisation / Alialysis	l .	L	<u> </u>	<u>l</u>			<u> </u>					$\longrightarrow$	
See Population Count Spreadsheet																	
Household Count Checks		1		<u> </u>			1	1	ī		1	I			I		
See Household Count Spreadsheet Household Variable Checks			<u> </u>		<u> </u>												
Household size	USULRSID/SIZHUK	1			Ι	х	x	х				х		х			х
Accommodation type	TYPACCOM	Assessors portal data				x					х			Х			
Self contained accommodation	SELFCON	2001 Census data				X					х			X		$\vdash$	х
Number of rooms Type of central heating	ROOMS CENHEAT1	2002 Census data	+	1	1	X X				1				X X		$\longrightarrow$	$\vdash$
Tenure	TENURE	2001 Census data	†			X			х		х			X		$\overline{}$	х
Landlord	LANDLORD	2001 Census data				х			х					х			х
Number of cars per household	CARSNO	2001 Census data				x								Х			
Accommodation type by self contained	TYPACCOM*SELFCON	I	1	<u> </u>		х					x			х			x
Accommodation type by self-contained  Accommodation type by rooms	TYPACCOM*ROOMS		<u>†                                     </u>			X					X			X			X
Accommodation type by tenure	TYPACCOM*TENURE					х					х			х			х
Accommodation type by number of cars	TYPACCOM*CARSNO					X					X			X		$\vdash \vdash \vdash$	X
Accommodation type by household size Tenure by Landlord	TYPACCOM*USULRSID TENURE*LANDLORD					X X			х		X X			X X		$\longrightarrow$	X X
Household size by number of rooms	USULRSID*ROOMS					x					x	х		х			x
Household size by ethnic group	USULRSID*ETHNIC										х	х		х			х
Number of households					l	x	l			ı	l	х			I	x	x
Person Variable Checks		<u> </u>		I.	1	_ X	l				l					^	_ ^
Student indicator	STUDENT					х			х					х			
Term time address indicator	TERMIND					х			Х					х		$\longmapsto$	
Country of birth  Month/year of arrival	COB YRARR		+			X X			X X					X X		$\longrightarrow$	х
Look after family or friends	CARER					X			X					x		$\overline{}$	
Usual address one year ago	URONIND					х			х					х			
Address of place of work/study	WKPLIND TRANSPORT					X			X					X		$\longmapsto$	
Method of travel to place of work/study Religion	RELIGION					X X			X X					X X		$\longrightarrow$	х
National identity	IDENUK					x			x					х			x
Ethnic group	ETHNIC					х			Х					х			х
Language spoken English ability	LANGSKILLS LANGPRF					X X			X X					X		$\vdash \vdash \vdash$	X X
Language used at home	LANGHOME					X			X					x x		$\vdash$	X
Health in general	HEALTH					х			х					х			х
Limiting long term illness	LTCOND1					х			х					х			х
Disability which affects day to day activities  Qualifications	DISABILITY QUALS					X X			X X					X X		<del></del>	X X
Employment status last week	EMPLYLWK					X			X					X		$\overline{}$	$\overline{}$
Grouped employment	EMPLYGRP					х			х					х			X
Looking for a job	LOOKWORK		<u> </u>			X			X					X		$\vdash$	X
Available to start a job Waiting to start a job	AVAILWORK WAITWORK		+		1	X X			X X					x x		$\overline{}$	X X
Other activity	OTHACT		†			X			X					X		<del> </del>	X
Ever worked	EVERWORK					х			Х					х			х
Year last in employment	LASTYRWRK EMPSTAT		1		1	X			X	1				X			$\vdash$
Employment status  Job title/description	OCC		+		1	X X			X X					X X		$\longrightarrow$	
Supervise employees	SUPERMAN					x			x					x			
Hours worked	HRSWRKD					х			х					х		$\Box$	$\Box$
Main activity of employer  Name of organisation working (worked) for	BUSINESS EMPLOYER		1		-	X X			X X					x x			
Tame of organization working (worked) for	LWII LOTEIX											l .		^			
Age by sex	AGE*SEX					х		х			х			Х			х
Age by grident indicator	AGE*MARSTAT		1	-	1	X		X			X			X		$\vdash$	X
Age by student indicator Age by economic activity	AGE*STUDENT AGE*EMPLYGRP		+		1	X X		X X	X X		Х		Х	x x		$\longrightarrow$	X X
Gray recommendation	2			·			1					ı		-			

												0					
												Coverage					
								刀				era		סַ	D D		
					0		ᄁ	Remove				age	_	ost	Derived	_	
					Operational	Load	Remove	Ş		0	Edit	e E	Coverage		ě	Assign	Di
					ã	ad	ō	e e	-	Derived	₽	Estimation	v e	Adjustment	٥	sig	Disclosure
					ō	<u>a</u>	e e	Multiple	Filter	ĕ	and	ΙΞ̈́	ra	ust	Var	3	Ö
					na	and Validation	False	ı≡	욕	ă		a <del>t</del> i	ge	Ξ	<u> </u>	Output	ũ
					- F	≤ a	lse	<u> </u>	굔	V <sub>a</sub>	₹	9	⋽	en en	iables	ਰੋ	e e
					Test	Ē	Ž	Ž.	Rules	Variables	Ĕ	의	D L	ΙΞ	Ϋ́	두	င
					<u> </u>	at	9	Ses	v	₽ 5	at	Δ	tat	큥	ဂ	₽	n <del>t</del>
					(OPT)	9	Records	8		Š	Imputation	S	Inputation	<b>.</b> ₹	🖁	Areas	Control
					J	-	S	Respons				and Adjustment		Imputation	Complex	o,	
								es				Str		ĭ	e ×		
												ne					
Check	Variable(s)	Comparator(s)	Technical Detail	Visualisation / Analysis								ੜ					
Age by qualifications	AGE*QUALS	† ' '		†		х		х						х			х
Age by other activity	AGE*OTHACT					x		X						X	+		X
		+	+	+											+ +		
Age by occupation	AGE*OCC		<b>+</b>			х		Х						х	+ +		Х
Age by ethnicity	AGE*ETHNIC					Х		Х						Х	1		X
Sex by occupation	SEX*OCC		ļ	<u> </u>		Х		Х	ļ					х			Х
Sex by marital status	SEX*MARSTAT					х		х	<u> </u>					х	<u> </u>		X
Limiting condition by disability	LTCOND2*DISABILITY			<u> </u>	L	х	L	х				L	<u> </u>	х			Х
Health by disability	HEALTH*DISABILITY					х		х						х			х
Country of birth by ethnicity	COB*ETHNIC					х		х						х			х
Country of birth by national identity	COB*IDENUK			1	Ī	X		X	1				İ	x	†	1	X
Country of birth by month/year of arrival	COB*YRARR	<u> </u>	<b>†</b>	<del>1</del>	1	X		X	х			t	1	X	+ +	+	x
National identity by ethnicity	IDENUK*ETHNIC		+	+	<b>-</b>	X		x	<u> </u>					x	+ +	-	x
		1	+	+	1				1			1			+ +	+	
Religion by ethnicity	RELIGION*ETHNIC		+	+	1	X	-	X	1			1	1	X	+ +		X
Occupation by industry	OCC*INDUSTRY	<b>_</b>	<u> </u>	1		х		Х	ļ			1		х			Х
Student indicator by hours worked	STUDENT*HRSWRKD		ļ	<u> </u>		х		Х	х					х			Х
Student indicator by term time address	STUDENT*TERMIND					Х		Х	X					Х			Х
Disability by economic activity	DISABILITY*EMPLYGRP					х		х	х					х			Х
Disability by other activity	DISABILITY*OTHACT					х		х	х					х			х
Work place indicator by transport	WKPLIND*TRANSPORT					х			х					х			х
				•													
Ethnicity by age and sex	ETHNICITY*AGE/SEX			T		х								х			х
Marital status by age and sex	MARSTAT*AGE/SEX		+	+	<b>-</b>	X			<b>†</b>			<u> </u>		X	+ +	-	
	STUDENT*AGE/SEX	HESA	†	1	1	1	-		<del>                                     </del>	-	v				+ +		
Students by age and sex		IILOA	+	1	1	X		-	<del> </del>		Х	<del>                                     </del>	<u> </u>	X	+	-	X
Economic Activity by age and sex	EMPLYGRP*AGE/SEX		1	+	1	х		-	<b> </b>			-	-	Х	+ +		Х
Armed forces by age and sex	AFRPUK*AGE/SEX		1	1						Х				х			Х
							1										
Number of international migrants						Х					X			х			
Short term international migrants						Х					X			х			
Long term international migrants						х					х			х			
Cross border flows						Х					Х			х			
Communal Establishment (CE) Variable Checks															1		
Students by age and sex		HESA		1		х				1	х			1			
Prisoner numbers by age and sex		1.2071												X			
1 Hoorier Hambers by age and sex						Y								X			
						х					X			X			
CE type by age for residents											х			х			
CE type by age for residents		<u> </u>				х					x			x			X
CE count by detailed type	ACESOEV					X X					x x x			x x x			
CE count by detailed type CE - Age by sex of residents	AGE*SEX					x x x					x x x			x x x			x
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined	AGE*SEX					X X X					X X X X			x x x x			
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff	AGE*SEX					x x x x					X X X X X			x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff	AGE*SEX					X X X					X X X X			x x x x			
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff	AGE*SEX					x x x x					X X X X X			x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff	AGE*SEX				x	x x x x	x	x	x	x	X X X X X	x	x	x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks	AGE*SEX				x	x x x x	x	x	x	x	X X X X X X	x	x	x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies	AGE*SEX				x	x x x x x	x	x	x	x	X X X X X X	x	x	x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates	AGE*SEX				x	x x x x x x x x x	x	X	x	x	x x x x x x	x	X	x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates Address one year ago completeness/quality	AGE*SEX				x	x x x x x	x	x	X	x	x x x x x x x	x	x	x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality	AGE*SEX				x	x x x x x x x x x x x x x x x x x x x	x	x	x	X	x x x x x x	x	X	x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here	AGE*SEX	Annegary parts!			x	x x x x x x x x x x x x x x x x x x x	x	x	X	x	x x x x x x x	x	x	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	x	x	X	x x x x x x x	x	X	x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	x	X	x	x x x x x x x	X	x	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits	AGE*SEX	Assessors portal			X	x x x x x x x x x x x x x x x x x x x	x	X	x	X	x x x x x x x x x x x x x x x x x x x	X	X	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	x	x	x	x x x x x x x	x	x	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	x	X	x	x x x x x x x x x x x x x x x x x x x	x	x	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	x	X	X	x x x x x x x x x x x x x x x x x x x	x	X	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	X	X	X	x x x x x x x x x x x x x x x x x x x	X	x	x x x x x x x x x x x x x x x x x x x			х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters	AGE*SEX	Assessors portal			X	x x x x x x x x x x x x x x x x x x x	X	X			x x x x x x x x x x x x x x x x x x x	X	x	x x x x x x x x x x x x x x x x x x x	x		х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	X	x		X	x x x x x x x x x x x x x x x x x x x	x	X	x x x x x x x x x x x x x x x x x x x	x	Y	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	X	x			x x x x x x x x x x x x x x x x x x x	x	X	x x x x x x x x x x x x x x x x x x x	x	X	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs Check shape of OAs	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	X	x			x x x x x x x x x x x x x x x x x x x	X	X	x x x x x x x x x x x x x x x x x x x	x	х	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs Check shape of OAs Compare number of 2011 OAs with 2001 OA count	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	X			x x x x x x x x x x x x x x x x x x x	X	X	x x x x x x x x x x x x x x x x x x x	x	x x	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs Check shape of OAs	AGE*SEX	Assessors portal			X	x x x x x x x x x x x x x x x x x x x	X	X			x x x x x x x x x x x x x x x x x x x	X	X	x x x x x x x x x x x x x x x x x x x	x	х	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs Check shape of OAs Compare number of 2011 OAs with 2001 OA count Compare 2011 and 2001 OA estimates by age and sex	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x		x			x x x x x x x x x x x x x x x x x x x	x	X	x x x x x x	x	x x	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs Check shape of OAs Compare number of 2011 OAs with 2001 OA count Compare 2011 and 2001 OA estimates by age and sex  Relationship matrix	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x	x	x			x x x x x x x x x x x x x x x x x x x	x	X	x x x x x x	x	x x	х
CE count by detailed type CE - Age by sex of residents Check CEs with less than 10 staff and resients combined CE ratio of residents to staff CE - Age by sex of staff Other Checks Unanswered questions frequencies Response rates  Address one year ago completeness/quality Address of place of work study completeness/quality Who usually lives here Check quality of addresses received  Frequency of soft edits Distribution on imputed values Frequency of hard edits  Check routing of filters Check derived variable frequencies Check size of OAs Check shape of OAs Compare number of 2011 OAs with 2001 OA count Compare 2011 and 2001 OA estimates by age and sex	AGE*SEX	Assessors portal			x	x x x x x x x x x x x x x x x x x x x					x x x x x x x x x x x x x x x x x x x	X	X	x x x x x x	x	x x	х