

Quality Assurance Checks and Tolerances

Type	Age Group	Sub Age Group	Checks	Stage Run at	DQMS? ¹	Comparator Source(s)	Tolerances	Geography
Whole Population	All	N/A	5 Year Age by Sex Comparison	Load & Validation (L&V) Coverage	Y	Mid Year Estimates (MYEs)	Lower Bound - MYE count minus 5% Upper Bound - MYE count plus 5%	Local Authority (LA)/DataZone(DZ)
			5 Year Age by Sex Comparison	L&V Coverage	Y	MYEs NHS Central Register (NHSCR)	Diagnostic Range	LA/DZ
			5 Year Age by Sex Comparison	L&V Coverage	Y	2001 Census Data	Lower Bound - 2001 Census count minus 10% Upper Bound - 2001 Census count plus 10%	LA/DZ
			Fertility check	L&V Coverage	Y	MYEs Age Specific Fertility Rates	Lower Bound - 0 minus Average Year on Year Change Upper Bound - 0 plus Average Year on Year Change	LA
			Dependency check	L&V Coverage	Y	MYEs	Lower Bound - 0 minus Average Year on Year Change Upper Bound - 0 plus Average Year on Year Change	LA/DZ
			Death check	L&V Coverage	Y	MYEs Age Specific Death Rates	Lower Bound - 0 minus Average Year on Year Change Upper Bound - 0 plus Average Year on Year Change	LA
Sub Group of Population by Age	0 - 15	0	Less than 1 year old Comparison	L&V Coverage	Y	Birth Registration Data	Lower Bound - Birth Registration Data count minus 5% Upper Bound - Birth Registration Data count plus 5%	LA/DZ
	16 - 64	18 plus	Count Comparison	L&V Coverage	Y	Electoral Register	Lower Bound - Electoral Register count Upper Bound - None	LA/DZ
	65 +	18 plus	Count Comparison	L&V Coverage	Y	Electoral Register	Lower Bound - Electoral Register count Upper Bound - None	LA/DZ
		65 plus	5 Year Age by Sex Comparison	L&V Coverage	Y	Super Old Persons Data (SOPD)	Lower Bound - SOPD count minus 5% Upper Bound - SOPD count plus 5%	LA/DZ
Students	5 - 31 plus	5 - 15	School Student check	L&V Coverage	Y	School Census Data Child Benefit Data	Lower Bound - School Census count Upper Bound - Child Benefit count plus 10%	LA/DZ
		18 - 31 plus	Student check	L&V Coverage	Y	Higher Education Statistics Agency (HESA) Further Education Students	Lower Bound - HESA count Upper Bound - HESA count plus 10%	LA/DZ
		5 plus	Student Indicator count	L&V Edit and Imputation (E&I) FiltersCoverage, Coverage Statistical Disclosure Control (SDC)	N	School Census Data Further Education Students Data HESA		LA
			Student Indicator by Hours Worked	L&V E&I Filters Coverage SDC	N			LA
			Student Indicator by Term Time Address	L&V E&I Filters Coverage SDC	N			LA
			Student Indicator by Age and Sex	L&V E&I Filters Coverage SDC	N	Scottish Neighbourhood Statistics		LA

Footnote

1) Data Quality Management System

Type	Age Group	Sub Age Group	Checks	Stage Run at	DQMS?¹	Comparator Source(s)	Tolerances	Geography
Armed Forces (AF)	16 plus	NA	AF by Age and Sex	L&V E&I Derived Variable Processes (DVPs) Coverage SDC	N			LA
			Number of AF individual questionnaires received and armed forces counted at home address compared to Defence Analytical Services and Advice (DASA) counts of AF personnel, adjusted for UK cross-border moves		N	DASA	Lower Bound - None Upper Bound - DASA count	By base
			Check for duplication. Sample of armed forces counted at home address and on individual questionnaires at base		N			Individual Records
Ethnicity	All	NA	Ethnic Group proportions	L&V E&I Coverage SDC	N	Scottish Household Survey		LA
			Country of Birth by Ethnicity	L&V E&I Coverage SDC	N			LA
			National Identity by Ethnicity	L&V E&I Coverage SDC	N			LA
			Religion by Ethnicity	L&V E&I Coverage SDC	N			LA
			Ethnicity by Age and Sex	L&V E&I Coverage SDC	N			LA
Households	NA	NA	Total Property Count Comparison	L&V Coverage	Y	Assessors Portal (adjusted for student communals)	Lower Bound - Assessors Portal count minus 5% Upper Bound - Assessors Portal count plus 5%	LA/DZ
			Occupied Property Count Comparison	L&V Coverage	N	Council Tax	Check against proportion of occupied properties in census returns at LA level	LA
			Average Household Size		N			LA
Communal Establishments	NA	NA	Students by Age and Sex	L&V E&I Coverage SDC	N			Communal
			Prisoner numbers by Age and Sex	L&V E&I Coverage SDC	N			Communal
			CE Type by Age for Residents	L&V E&I Coverage SDC	N			Communal
			Age by Sex of Residents	L&V E&I Coverage SDC	N			Communal
			Ratio of Residents to Staff	L&V E&I Coverage SDC	N			Communal
			Check of each Communal Establishment (CE) type against expected returns based on comparator data and number of questionnaires issued	L&V Coverage	N	A range of comparator data covering most CE types	A tolerance for the percentage of returns based on questionnaires issued and expected number of residents from comparator sources will be set for each CE type.	Communal

Footnote

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