



Instruction: Step-by-Step Guide

(ii) FTB Community Profiling

The goal of this instruction is to equip and enable you to create charts for your school community like those in the Community Profile [worked example](#). Such a community profile has multiple [applications](#) for schools. The creation of this community profile uses [NISRA's Flexible Table Builder](#) (FTB) tool and CPT [Excel Templates](#). Before starting this profiling activity, you will need to have identified your school's District Electoral Area (DEA), Super Data Zone (SDZ), and Data Zone (DZ) using the [ID Data Zone](#) instructions.

Tools for Community Profiling

- The [NISRA Flexible Table Builder](#)
- CPT [Excel templates](#) have been created for each county (n=6)¹. There are 12 worksheets in each Excel template, one for each variable. The tab for each worksheet is labelled with the variable name. The Excel templates have been set up to accommodate a simple 'copy and paste' function – *copying* the Counts data from the created NISRA FTB tables, for each geography and variable, and *pasting* into the spreadsheet of the related Variable tab and geography within the CPT Excel template¹. Formulae already inserted into the CPT Excel templates mean that conversion of Counts to percentages for comparison of geographies, and automatic re-categorisation of variable categories where necessary (eg school age population – categorising to 0-4yrs, 5-11yrs, and 12-18yrs) is enabled, as well as automatic creation of all charts. Once created, these charts can be copied and pasted into Word documents and/or PowerPoint slides for multiple applications.
- [Appendices](#)
 - [Appendix 1](#) defines the geographies – NI, County, LGD, DEA, SDZ, DZ
 - [Appendix 2](#) contains a list of variables (n=12) detailing which classifications to select and what categories the selected classification of the variable contains. It would be useful to have this to hand when creating your community profile to quicken the process of selecting variable classifications. These variables have been selected as determinants of educational attainment, either directly or indirectly.

¹Antrim, Armagh, Derry/Londonderry, Down, Fermanagh, Tyrone

Instruction Format

Generation of the Community Profiling data is as demonstrated in Example 1, which provides instruction applicable to ten of the twelve profiling variables using an **ABC** (Access, Build, Create) format. Two other variables require specific instruction. These are **Parent Qualifications**, which necessitates the creation of a Pivot Table and **School Age Population** which requires re-categorisation of the Age variable prior to percentage computation and chart creation.

Example 1 – Creating data tables and charts across geographies, *pg5*

The LGD geography will be used as a full illustrative example, from start to chart. However, points of difference ie selecting *geographic* level and *area* selection, for each of the other DEA, SDZ, and DZ geographies, will also be demonstrated. This methodological process works for all variables except for those highlighted in **Example 2** and **Example 3** where specific instruction has been included to enable you chart these.

EXAMPLE

Variable: Religion or Religion Brought Up In

Geographic level: Local Government District (LGD)

Geographic area: Ards and North Down

Example 2 – Creating a pivot table (relevant to [Variable](#) Parent Qualifications) *pg18*

EXAMPLE

Variable: Parent Qualification

Geographic level: Data Zone

Geographic area: Lurgan_S1

CPT Excel Template: Co Armagh

Example 3 – Re-categorisation of variables, *pg31*

EXAMPLE

Variable: School Age Population

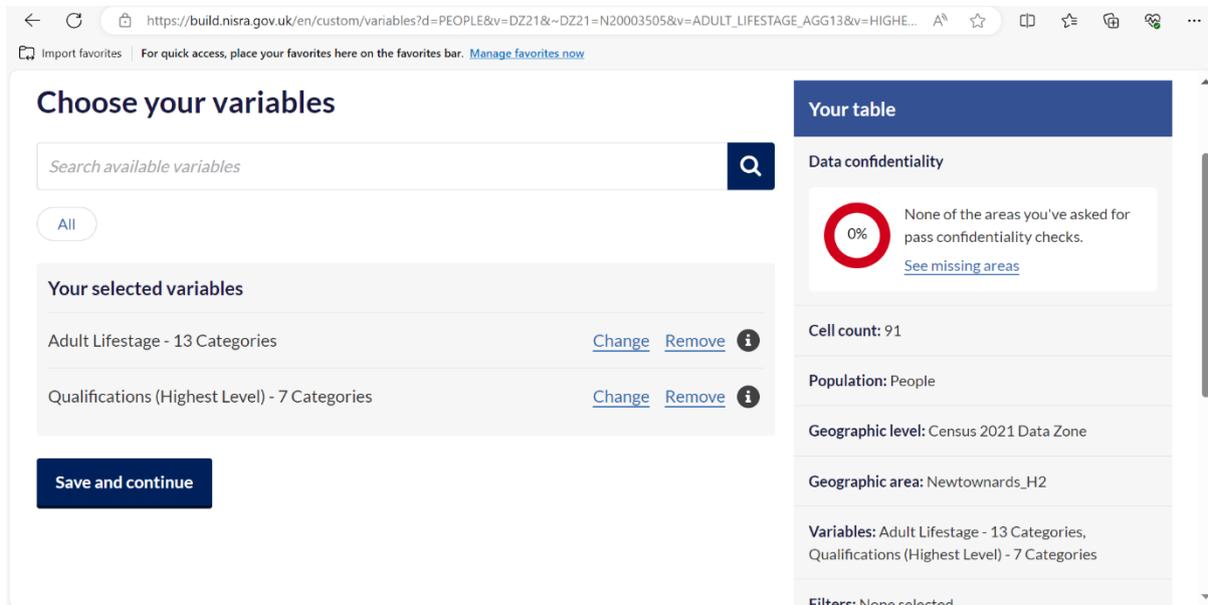
Geographic level: Data Zone

Geographic area: Lurgan_S1

CPT Excel Template: Co Armagh

Note Data Confidentiality

On rare occasions, data generated using NISRA's FTB tool does not pass confidentiality checks. If this is the case, no data is displayed and a red data confidentiality notification appears. It is most likely to occur at lower geographic levels such as the data zone level, and with pivot tables in particular. The example below is for Newtownards_H2 which did not pass confidentiality checks for the Parent Qualifications variable. The lowest level of data that can be generated for this variable is at the SDZ.



The screenshot shows the NISRA FTB tool interface. The main area is titled "Choose your variables" and contains a search bar with the placeholder text "Search available variables". Below the search bar is a button labeled "All". Underneath, there is a section titled "Your selected variables" which lists two variables: "Adult Lifestage - 13 Categories" and "Qualifications (Highest Level) - 7 Categories". Each variable has "Change" and "Remove" links and an information icon. At the bottom of this section is a "Save and continue" button.

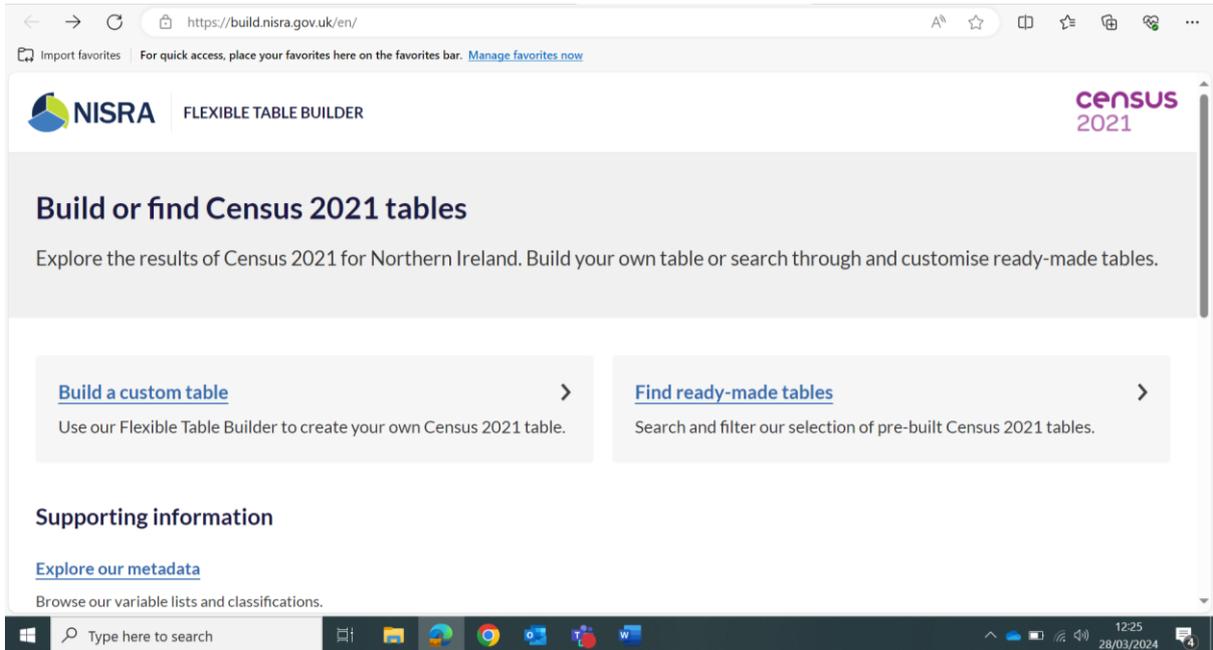
On the right side, there is a "Your table" panel. It displays a "Data confidentiality" notification with a red circular progress indicator showing "0%". The text reads: "None of the areas you've asked for pass confidentiality checks." and includes a link "See missing areas". Below this, the panel shows the following details:

- Cell count: 91
- Population: People
- Geographic level: Census 2021 Data Zone
- Geographic area: Newtownards_H2
- Variables: Adult Lifestage - 13 Categories, Qualifications (Highest Level) - 7 Categories
- Filters: None selected

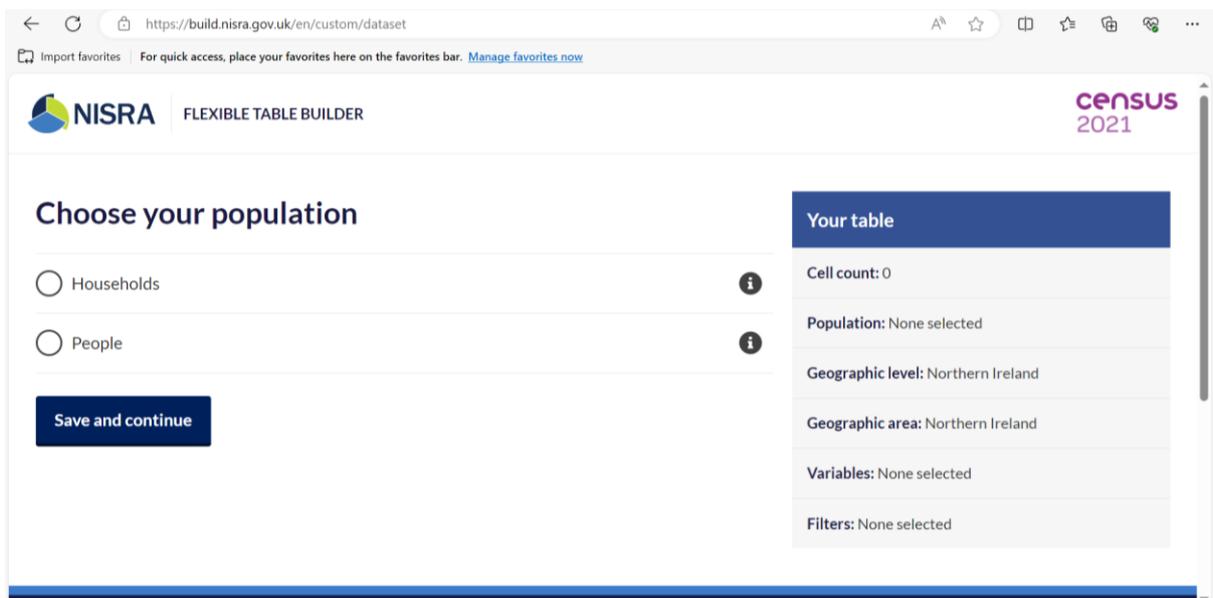
The ABC to creating a community profile: Access, Build, Create!

A. Access the Flexible Table Builder (FTB)

Open NISRA [Flexible Table Builder](#) and click on [Build a Custom Table](#) link.



The following screen will appear. This is the interface for the Flexible Table Builder (FTB) Tool. All queries for both [geographies](#) and [variables](#) can be searched using this tool.



A recommended area hierarchy for community profiling and comparatives is NI, County, LGD, DEA, SDZ and DZ ([Appendix 1](#)). The NI and County level data has already been added to your CPT [Excel templates](#). The remaining geographies for which data needs generated are therefore LGD or council area, DEA, SDZ and DZ. Use your school's LGD, DEA, SDZ, DZ to generate a Community Profile for your school. The following steps will illustrate how to generate data tables for these geographies using NISRA's FTB for transfer into CPT Excel Templates and automated chart creation.

EXAMPLE 1 – Generating data table and charts for Community Profile

This process applies to 10 of the 12 variables listed in Community Profile variable listing [Appendix 2](#). Exceptions are *Parent Qualifications*, and *School Age Population*. Steps for these variables are shown in [Example 2](#) (Pivot Table), and [Example 3](#) (Re categorisation), respectively.

EXAMPLE

Variable: Religion or Religion Brought Up In

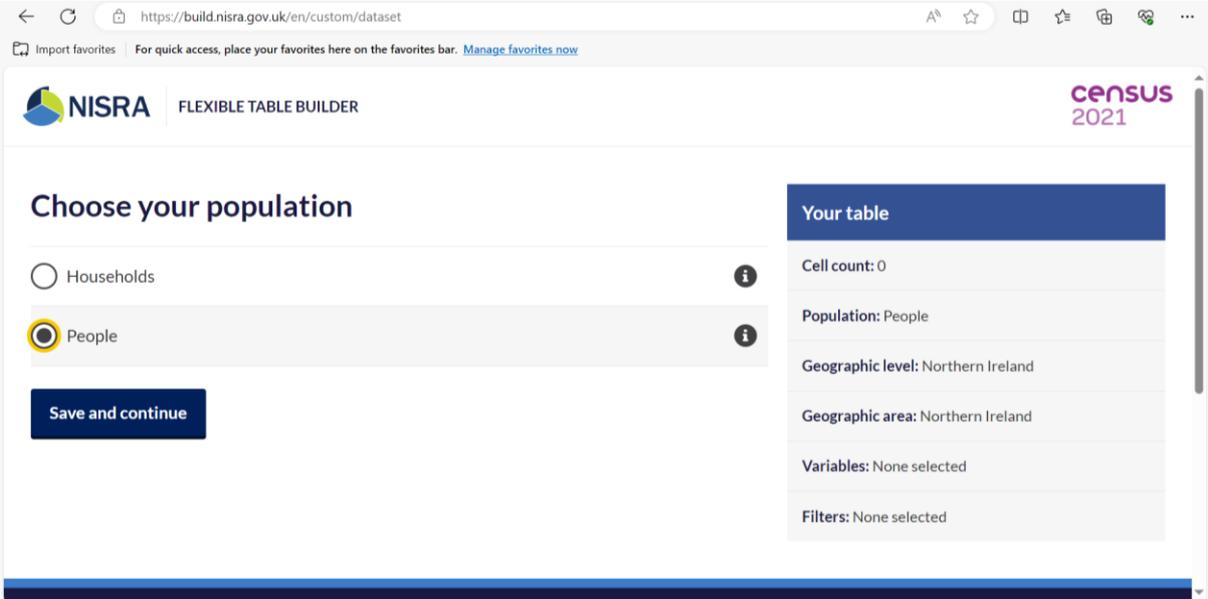
Geographic level: Local Government District (LGD)

Geographic area: Ards and North Down

B. Build Data Table

1. Choose **Population** for Table

Select **People**, then *click* Save and continue



The screenshot shows the NISRA Flexible Table Builder interface. The main heading is "Choose your population". There are two radio button options: "Households" and "People". The "People" option is selected. Below the options is a "Save and continue" button. To the right, a "Your table" summary box displays the following information:

Your table	
Cell count:	0
Population:	People
Geographic level:	Northern Ireland
Geographic area:	Northern Ireland
Variables:	None selected
Filters:	None selected

Note: the table to the right of the screen provides a summary of the table building selections made

2. Choose **Geography** level for Table

Select Local Government District (LGD) 2014, then *click* Save and continue

The screenshot shows the NISRA Flexible Table Builder interface. The browser address bar displays <https://build.nisra.gov.uk/en/custom/level?d=PEOPLE>. The page title is "FLEXIBLE TABLE BUILDER" and it includes the "census 2021" logo. A "Back" link is visible. The main heading is "Choose a geography". There are five radio button options: Northern Ireland, Health and Social Care Trust, County, Local Government District 2014 (selected), and Parliamentary Constituency 2008. A "Your table" summary panel on the right shows: Cell count: 11, Population: People, Geographic level: Local Government District 2014, Geographic area: Northern Ireland, Variables: None selected, and Filters: None selected.



Note: You may choose any geography you are interested in from the listing. The current example is for LGD geographic level. Please refer to Box 1 for guidance on selecting DEA, SDZ, and DZ geographies.

3. Choose **Area** for selected geography

Select Search for any Local Government District 2014 by name or code. Start typing the Local Government District name, within which your school is located, in the text box, *click* the search icon to display, and *click* Save and continue.

The screenshot shows the NISRA Flexible Table Builder interface. The browser address bar displays <https://build.nisra.gov.uk/en/custom/geography?d=PEOPLE&v=LGD14&~LGD14=N09000011&stp=Ards>. The page title is "FLEXIBLE TABLE BUILDER" and it includes the "census 2021" logo. A "Back" link is visible. The main heading is "Choose areas for your selected geography". There are two radio button options: "Get data for every Local Government District 2014" and "Search for any Local Government District 2014 by name or code" (selected). Below the second option is a search box containing "Ards" and a search icon. A "Your selected areas" list shows "Ards and North Down N09000011" with a "Remove" link. A "Save and continue" button is at the bottom. The "Your table" summary panel on the right shows: Cell count: 1, Population: People, Geographic level: Local Government District 2014, Geographic area: Ards and North Down, Variables: None selected, and Filters: None selected.



Note: Please refer to Box 1 for guidance on selecting **areas** for DEA, SDZ, and DZ geographies.

BOX 1 Selecting **Geography** and **Area** options

District Electoral Area (DEA)

Choose a Geography: Scroll to Census 2021 Data Zone

https://build.nisra.gov.uk/en/custom/level?id=PEOPLE

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

- Parliamentary Constituency 2008 ⓘ
- Parliamentary Constituency 2024 ⓘ
- Local Government District 1993 ⓘ
- Settlement 2015 ⓘ
- District Electoral Area 2014 ⓘ
- Census 2021 Super Data Zone ⓘ
- Census 2021 Data Zone ⓘ

[Save and continue](#)

Choose Area: Select Search for any District Electoral Area 2014 by name or code, enter DEA of interest, click on search icon, and click on DEA

https://build.nisra.gov.uk/en/custom/geography?id=PEOPLE&v=DEA14&v=DEA14&st=Newtownards

NISRA FLEXIBLE TABLE BUILDER

[Back](#)

Choose areas for your selected geography

- Get data for every District Electoral Area 2014
- Search for any District Electoral Area 2014 by name or code

Newtownards

[Newtownards](#) N10001107

- Select every District Electoral Area 2014 within a larger area

Super Data Zone (SDZ)

Choose a Geography: Scroll to Census 2021 Data Zone

https://build.nisra.gov.uk/en/custom/level?id=PEOPLE

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

- Parliamentary Constituency 2008 ⓘ
- Parliamentary Constituency 2024 ⓘ
- Local Government District 1993 ⓘ
- Settlement 2015 ⓘ
- District Electoral Area 2014 ⓘ
- Census 2021 Super Data Zone ⓘ
- Census 2021 Data Zone ⓘ

[Save and continue](#)

Choose Area: Select Search for any Census 2021 Super Data Zone by name or code, enter SDZ of interest, click search icon, and click on SDZ

https://build.nisra.gov.uk/en/custom/geography?id=PEOPLE&v=SDZ21&v=SDZ21&st=Newtownards_H

NISRA FLEXIBLE TABLE BUILDER

[Back](#)

Choose areas for your selected geography

- Get data for every Census 2021 Super Data Zone
- Search for any Census 2021 Super Data Zone by name or code

Newtownards_H

[Newtownards_H](#) N21000786

- Select every Census 2021 Super Data Zone within a larger area

Data Zone (DZ)

Choose a Geography: Scroll to Census 2021 Data Zone

https://build.nisra.gov.uk/en/custom/level?id=PEOPLE

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

- Parliamentary Constituency 2008 ⓘ
- Parliamentary Constituency 2024 ⓘ
- Local Government District 1993 ⓘ
- Settlement 2015 ⓘ
- District Electoral Area 2014 ⓘ
- Census 2021 Super Data Zone ⓘ
- Census 2021 Data Zone ⓘ

[Save and continue](#)

Choose Area: Select Search for any Census 2021 Data Zone by name or code, enter DZ of interest, click search icon, and click on DZ

https://build.nisra.gov.uk/en/custom/geography?id=PEOPLE&v=DZ21&v=DZ21&st=Newtownards_H2

NISRA FLEXIBLE TABLE BUILDER

[Back](#)

Choose areas for your selected geography

- Get data for every Census 2021 Data Zone
- Search for any Census 2021 Data Zone by name or code

Newtownards_H2

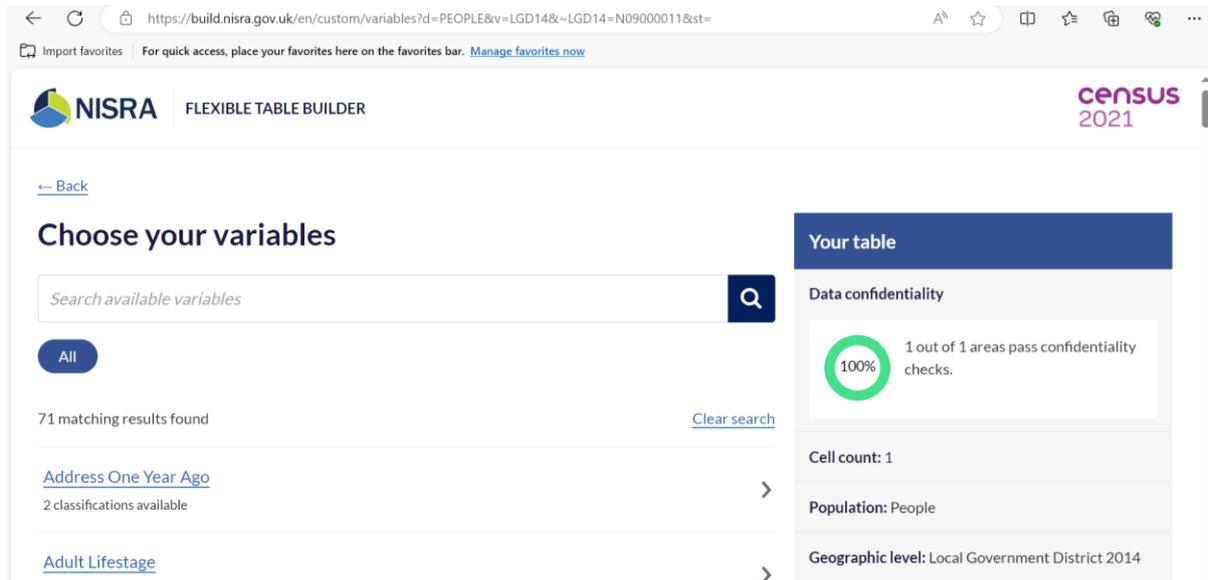
[Newtownards_H2](#) N20003505

- Select every Census 2021 Data Zone within a larger area

Note: when inserting Geographic area ensure to place an underscore between the DEA and SDZ/DZ eg Newtownards_H and Newtownards_H2. On selection of the geography of interest, simply continue to Step 4.

4. Choose **Variable** for Table

(a) If you know the name of the variable you want, simply type it in the text box and *click* on the blue search icon (see Variables reference list in [Appendix 2](#)). Or *select* All for the full listing and *click* on your variable of interest from the list. As an example, we will use Religion or Religion Brought Up In

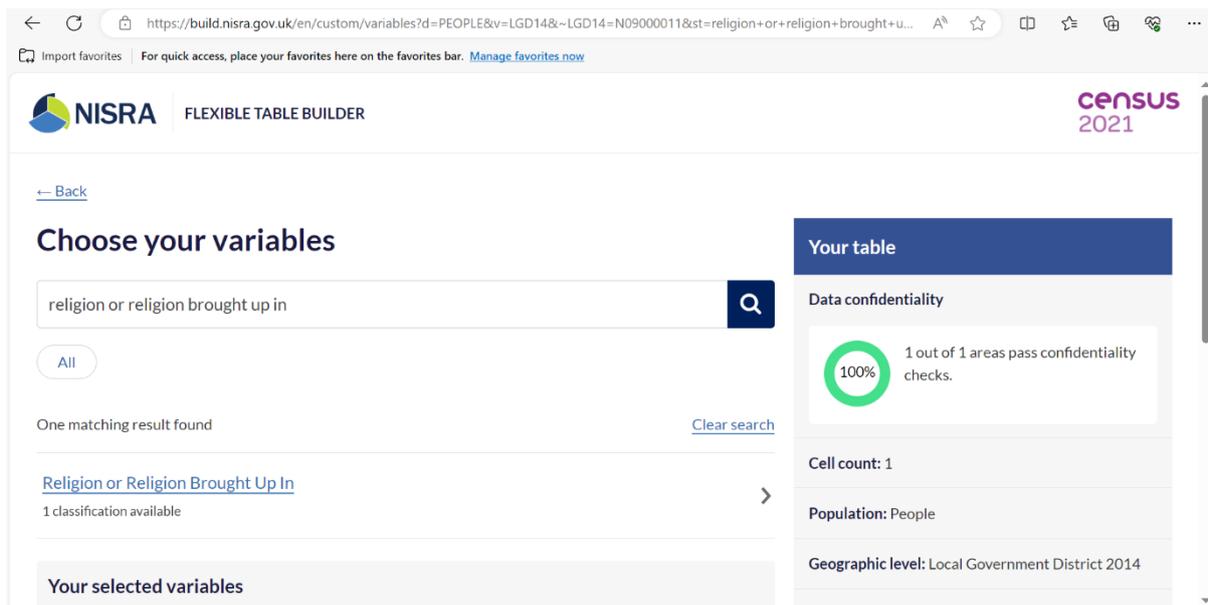


The screenshot shows the NISRA Flexible Table Builder interface. The main heading is "Choose your variables". A search bar contains the text "Search available variables" and a blue search icon. Below the search bar, there is a button labeled "All". The search results show "71 matching results found" and a "Clear search" link. The first result is "Address One Year Ago" with "2 classifications available". The second result is "Adult Lifestage" with "1 classification available". On the right side, there is a "Your table" summary box. It includes "Data confidentiality" with a 100% indicator and the text "1 out of 1 areas pass confidentiality checks." Below this, it shows "Cell count: 1", "Population: People", and "Geographic level: Local Government District 2014".



Note: The summary table to the right of the screen will now also display data confidentiality status.

(b) *Select* the variable Religion or Religion Brought Up In, either by *typing* in text box and *clicking* blue search icon, or by *clicking* All and *scrolling* the list of alphabetised variables to locate. *Click* on Religion or Religion Brought Up In hyperlink.



The screenshot shows the NISRA Flexible Table Builder interface with the search bar containing "religion or religion brought up in". The search results show "One matching result found" and a "Clear search" link. The result is "Religion or Religion Brought Up In" with "1 classification available". The "Your table" summary box on the right is identical to the previous screenshot, showing "Data confidentiality" with a 100% indicator, "Cell count: 1", "Population: People", and "Geographic level: Local Government District 2014".

(c) The following screen will appear. This variable has only one classification to choose from, so simply *click* on Save and return



Note: click on the ‘i’ icon to find out more about the variable, and the categories that make up the classification

(d) Summary of chart variables is displayed for your information. This is also the interface for making changes to the Geographic level, Geographic area, and Variable selected. For example, if creating a table for a range of geographies for the Religion or Religion Brought Up In variable

Property	Value	Action
Population	People	
Geographic level	Local Government District 2014	Change
Geographic area	Ards and North Down	Change
Variables	Religion or Religion Brought Up In	Change
Filters	None selected	Filter table
Pivot	No pivot applied	Pivot table

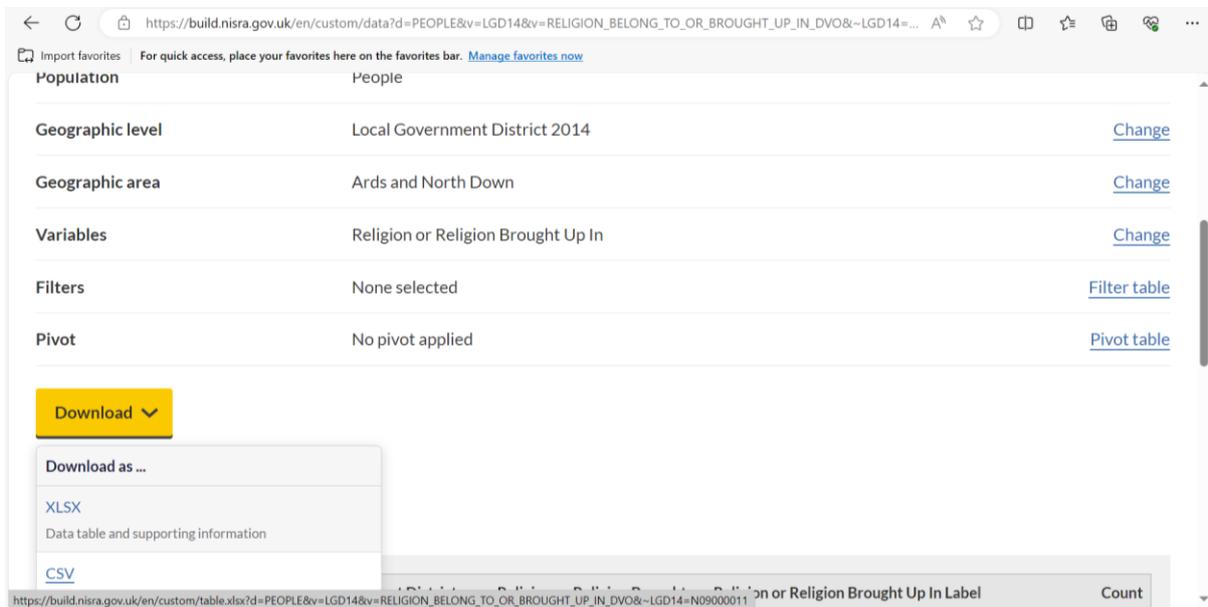
[Download >](#)

Note: in creating a community profile for your school, it will be helpful to start with the range of Variables in [Appendix 2](#).

Change interface –Once you have data for LGD you can select a new geographic level and area (for same variable) or select a new variable for a new chart

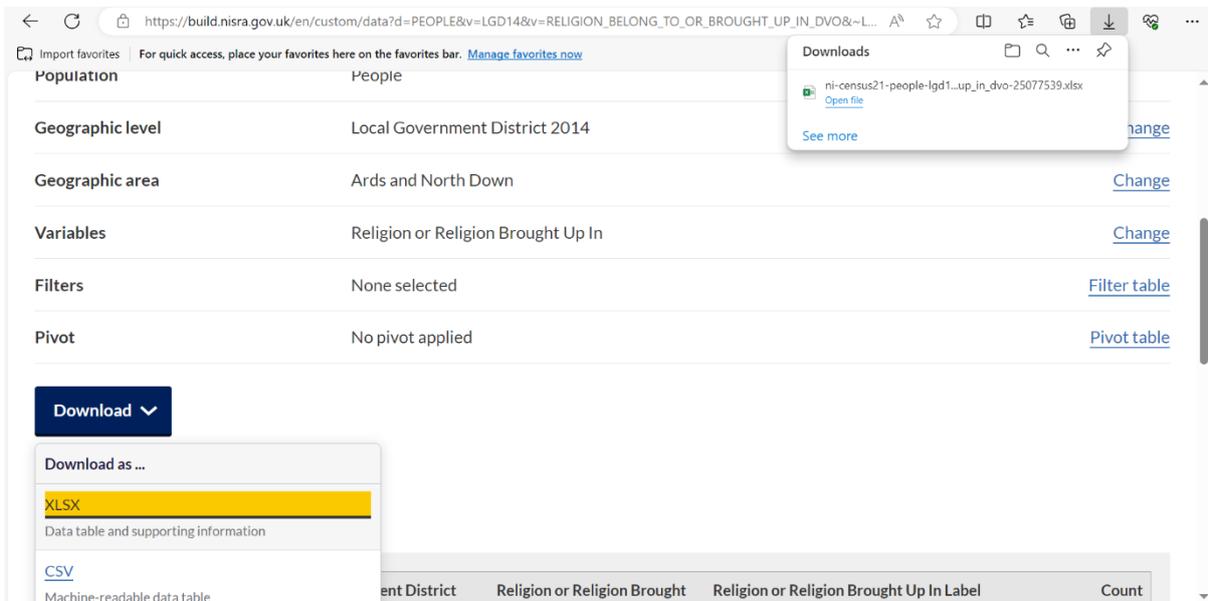
5. Download data table

(a) *Click* on download, which opens a window to download formats. *Click* on XLSX to open Excel spreadsheet



The screenshot shows a web browser window displaying a data table configuration page. The page title is "Population" and the subject is "People". The configuration includes: Geographic level: Local Government District 2014; Geographic area: Ards and North Down; Variables: Religion or Religion Brought Up In; Filters: None selected; Pivot: No pivot applied. A yellow "Download" button is visible, with a dropdown menu open showing "Download as ..." options: "XLSX" (Data table and supporting information) and "CSV". The URL in the address bar is https://build.nisra.gov.uk/en/custom/data?d=PEOPLE&v=LGD14&v=RELIGION_BELONG_TO_OR_BROUGHT_UP_IN_DVO&~LGD14=...

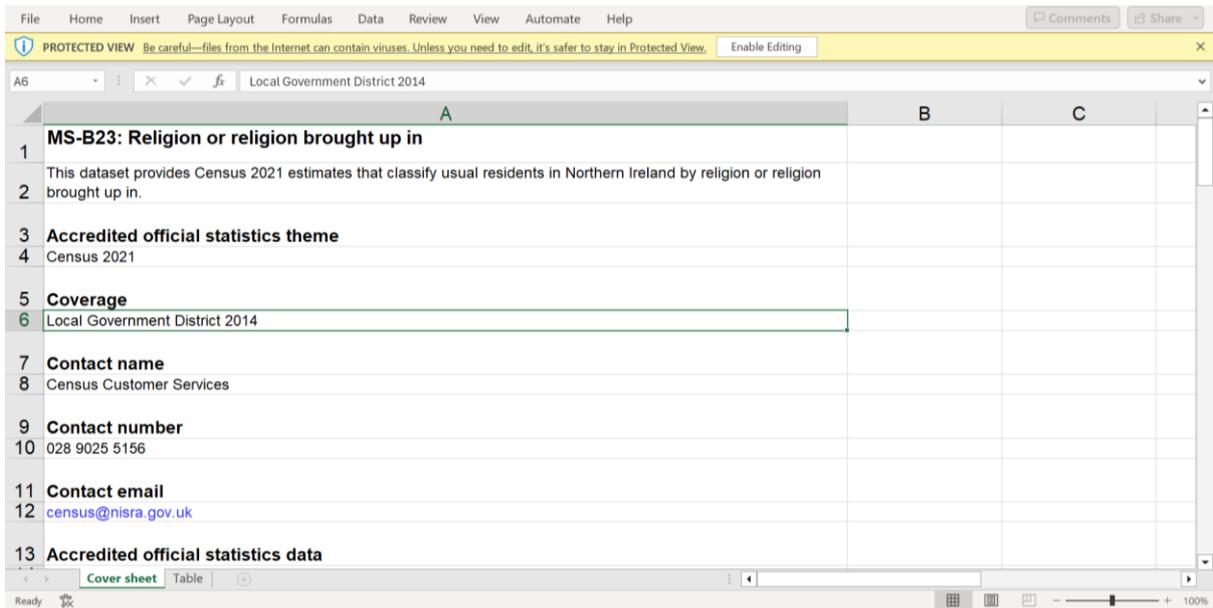
(b) This opens a download window on the top right of screen. *Click* on Open file to open Excel spreadsheet containing the generated data table.



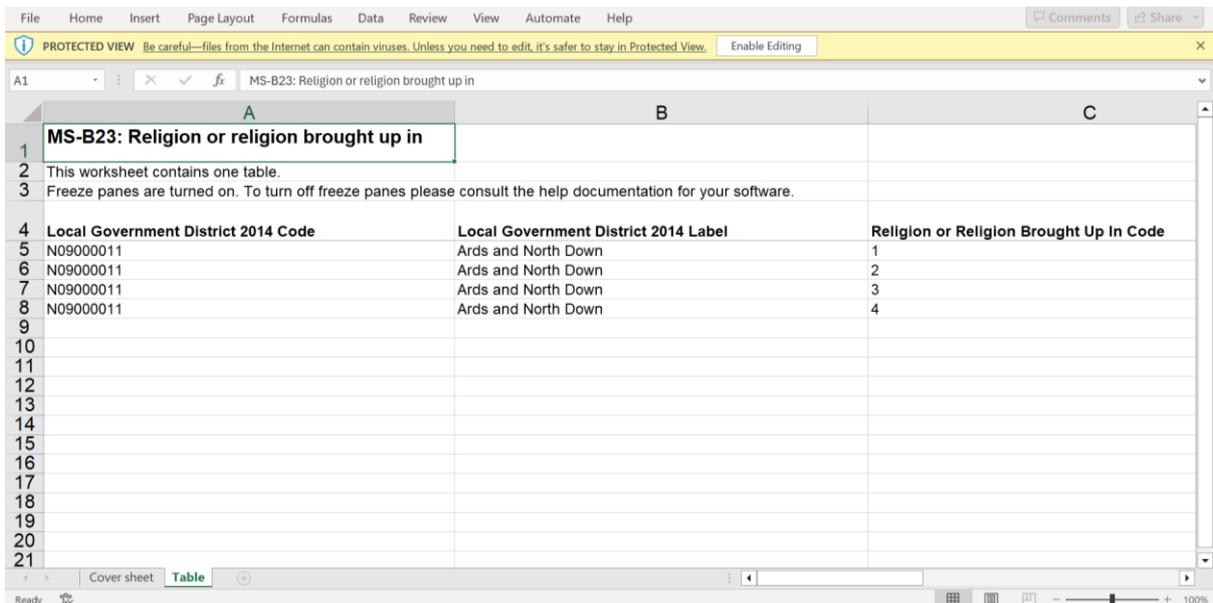
The screenshot shows the same data table configuration page as in (a). A "Downloads" window is open in the top right corner, displaying a file named "ni-census21-people-igd1...up_in_dvo-25077539.xlsx" with an "Open file" link. The "Download" button is now dark blue, and the "Download as ..." menu is open with "XLSX" highlighted in yellow. The "CSV" option is also visible. The URL in the address bar is https://build.nisra.gov.uk/en/custom/data?d=PEOPLE&v=LGD14&v=RELIGION_BELONG_TO_OR_BROUGHT_UP_IN_DVO&~LGD14=N09000011

6. Data Extraction

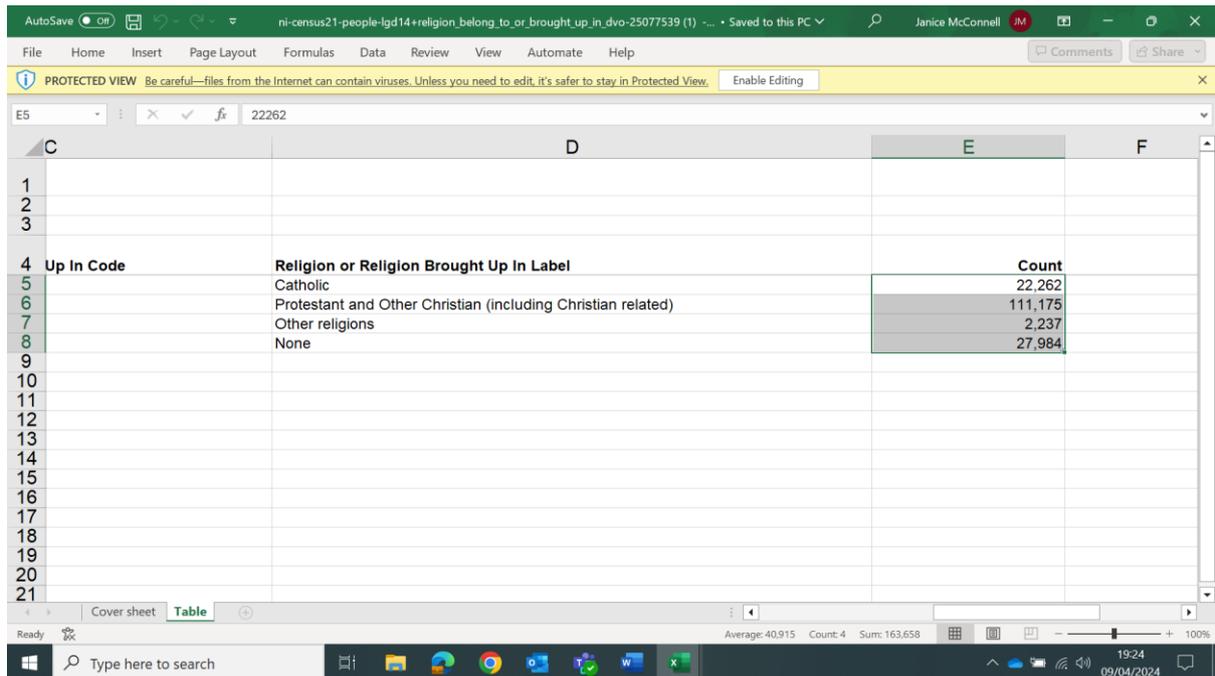
(a) Following on from Step 5c, the Excel spreadsheet will open in a new window at the Cover Sheet. *Click* the Table tab at bottom left-hand corner to reveal the generated data table



(b) Column B confirms the geography level (LGD). *Scroll* across to the **Count** column (E) using scroll tab in bottom right-hand corner until the Count column can be seen onscreen.



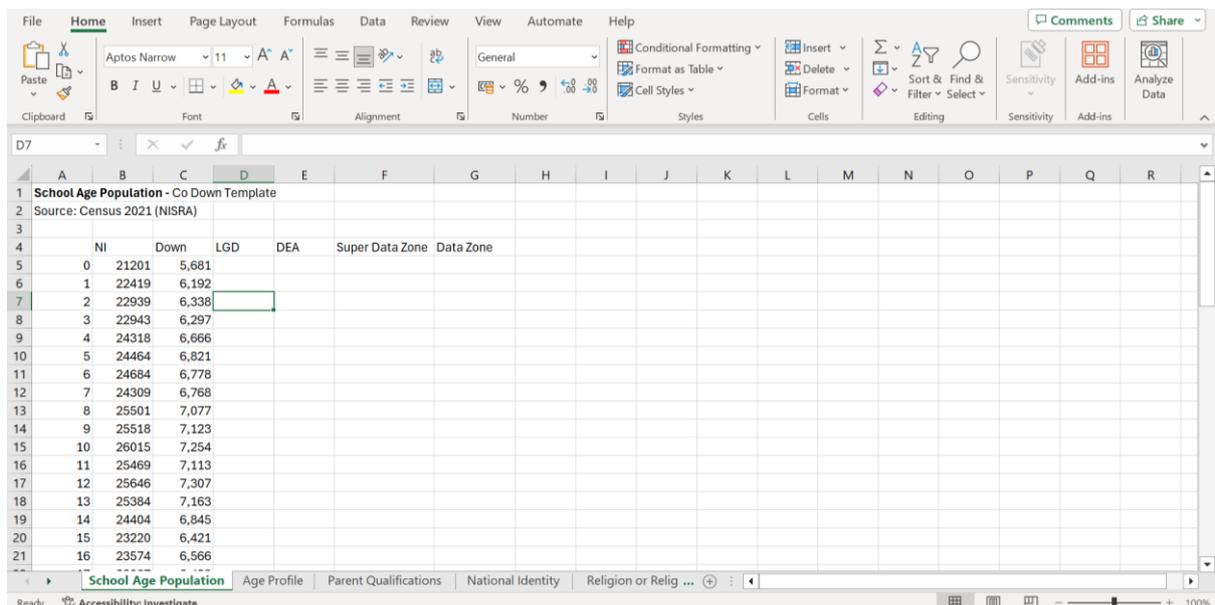
(c) Select the numbers in the **Count** column (Column E, Rows 5-8) and right click to copy data



C. Create Charts

7. Navigate CPT Excel Template

(a) Open relevant County level CPT [Excel Template](#) based on school's location and save a copy onto your computer for editing. In this example, it is the Co Down CPT Excel Template.



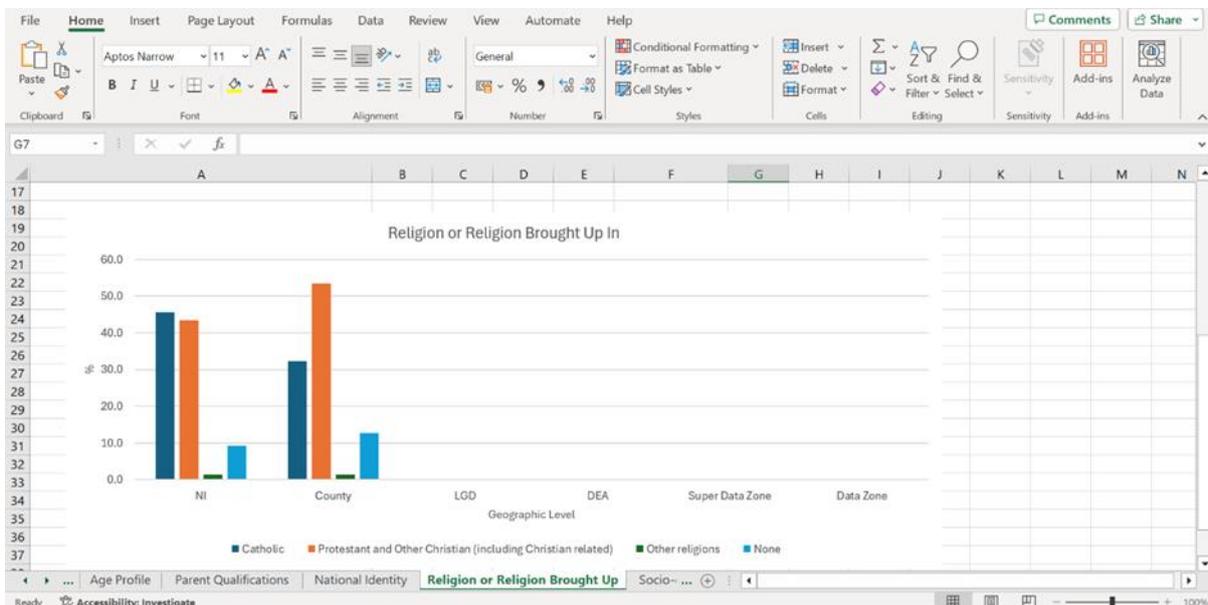
Note: Tabs to access the CPT spreadsheet templates for each of the 12 variables ([Appendix 2](#)) making up the Community Profile, can be found at the bottom of the spreadsheet, starting with *School Age Population*.

(b) Click on the Religion or Religion Brought Up In variable tab at bottom of CPT spreadsheet to display the Religion and Religion Brought Up In spreadsheet template.

	NI	County	LGD	DEA	Super Data Zone	Data Zone
Catholic	869754	260867				
Protestant and Other Christian (including Christian related)	827545	306335				
Other religions	28515	13490				
None	177361	70629				
	1903175	651321	0	0	0	0

	NI	County	LGD	DEA	Super Data Zone	Data Zone
Catholic	45.7	40.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Protestant and Other Christian (including Christian related)	43.5	47.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Other religions	1.5	2.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
None	9.3	10.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	100	100	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

(c) Scroll down to view the chart which is populated with NI and County level data. Scroll back up to the data tables.



8. Copy and Paste Count data between NISRA FTB and CPT Excel spreadsheets to create chart

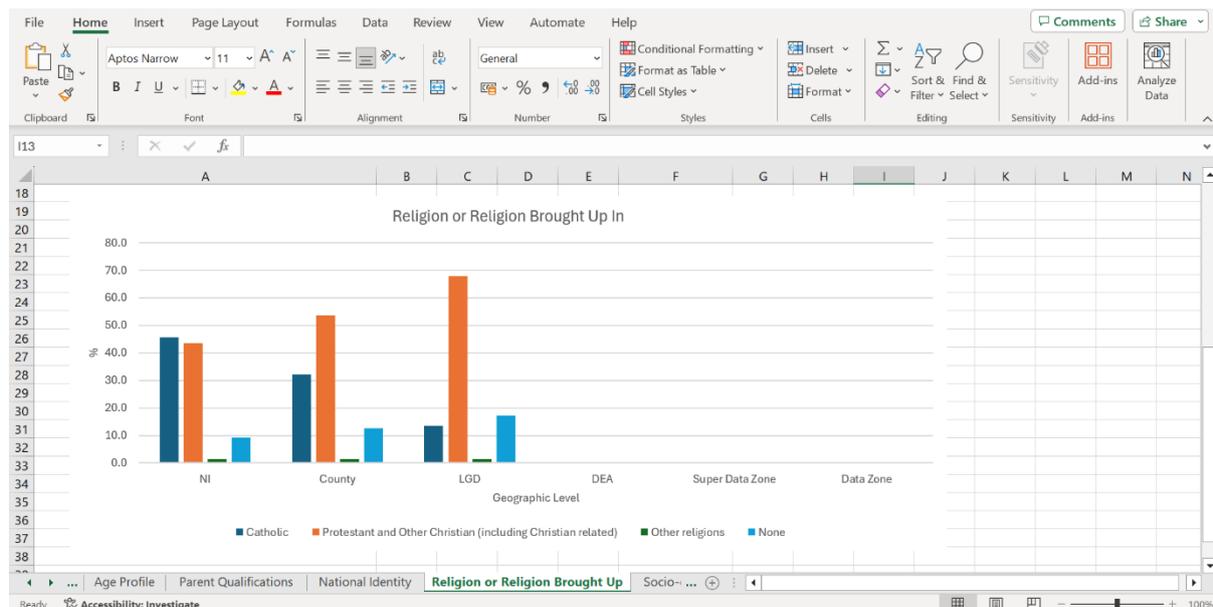
(a) Paste Count data (copied from NISRA FTB spreadsheet - Step 6c) into the empty LGD column in first table of CPT Excel Template.

Notice how the percentage figures are automatically calculated in the table directly below where you pasted the Count data. The data in the percentage table is the one used to generate the charts since percentages are necessary for direct comparison of variables across different geographic levels.

	NI	County	LGD	DEA	Super Data Zone	Data Zone
Catholic	869754	178,523	22,262			
Protestant and Other Christian (including Christian related)	827545	296,228	111,175			
Other religions	28515	8,464	2,237			
None	177361	70,046	27,984			
	1903175	553261	163658	0	0	0
	NI	County	LGD	DEA	Super Data Zone	Data Zone
Catholic	45.7	32.3	13.6	#DIV/0!	#DIV/0!	#DIV/0!
Protestant and Other Christian (including Christian related)	43.5	53.5	67.9	#DIV/0!	#DIV/0!	#DIV/0!
Other religions	1.5	1.5	1.4	#DIV/0!	#DIV/0!	#DIV/0!
None	9.3	12.7	17.1	#DIV/0!	#DIV/0!	#DIV/0!
	100	100	100	#DIV/0!	#DIV/0!	#DIV/0!

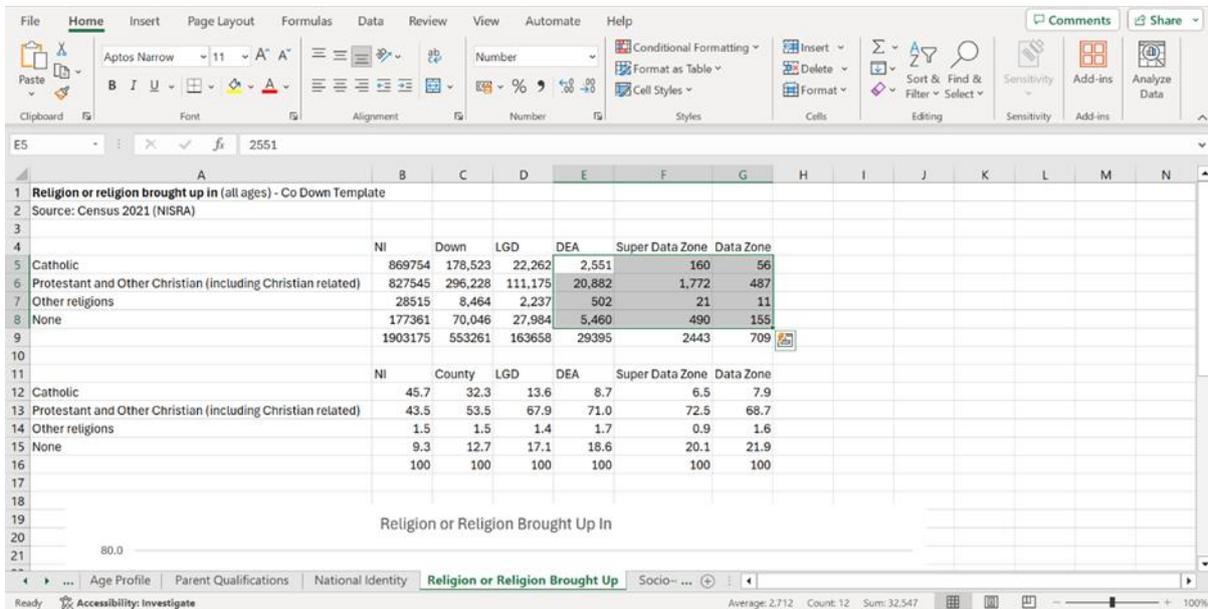
Tip – when right clicking to paste data, use Paste Special. This will match the number font/size to the destination format ie CPT Excel Template.

(b) Scroll down to view the chart in the CPT spreadsheet which will be updated automatically with the LGD level data.

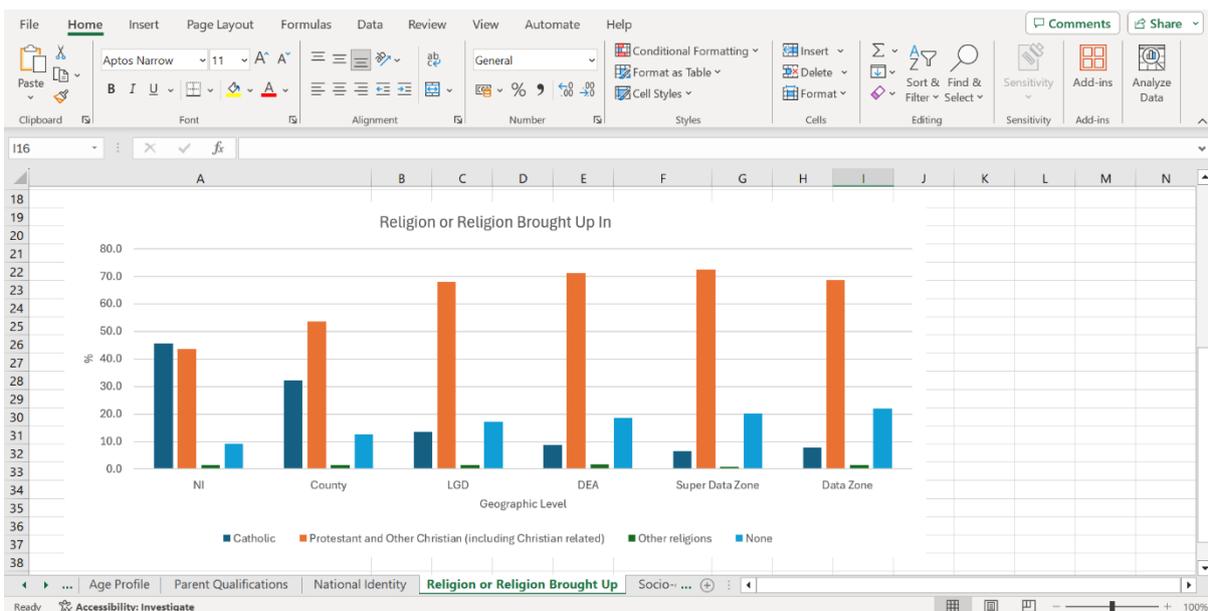


(c) Continue this process of building the CPT Excel data table, copying Count data from NISRA's FTB Excel spreadsheet (**Steps 6a to 6c**) and pasting into the CPT Excel Template (**Step 8b**) for each of the DEA, SDZ, and DZ geographies, until the Count table is complete.

Notice again how the percentage figures are automatically calculated in the table directly below where the Count data is pasted.

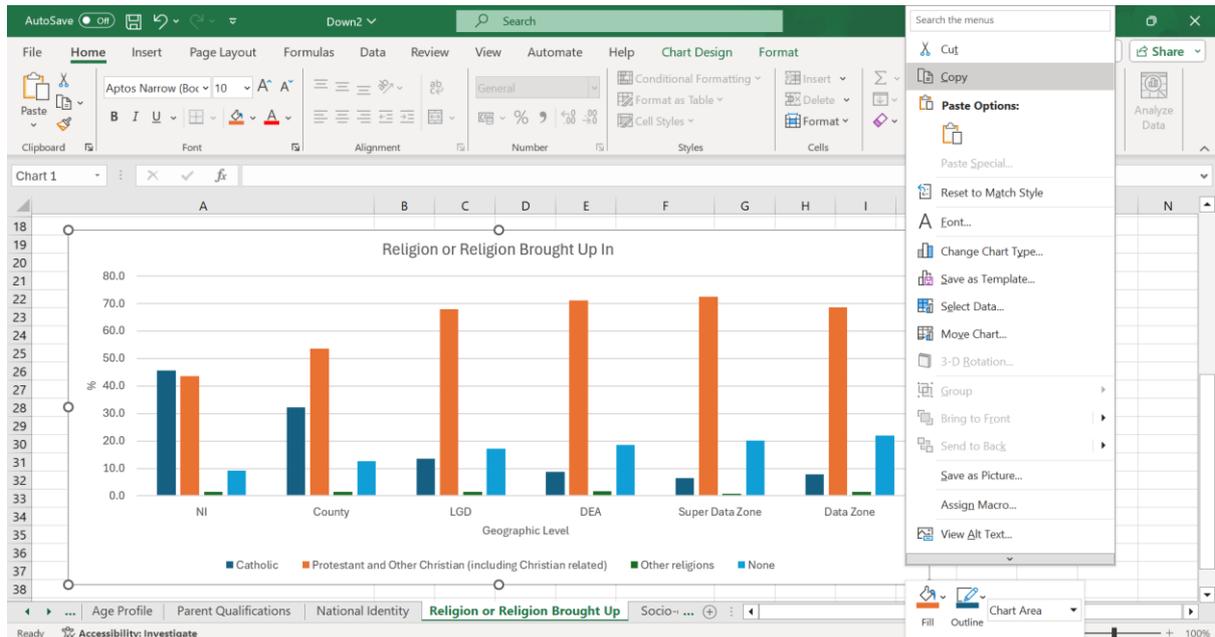


(d) Scroll down to view the final chart for the variable, in this case, Religion or Religion Brought Up In.

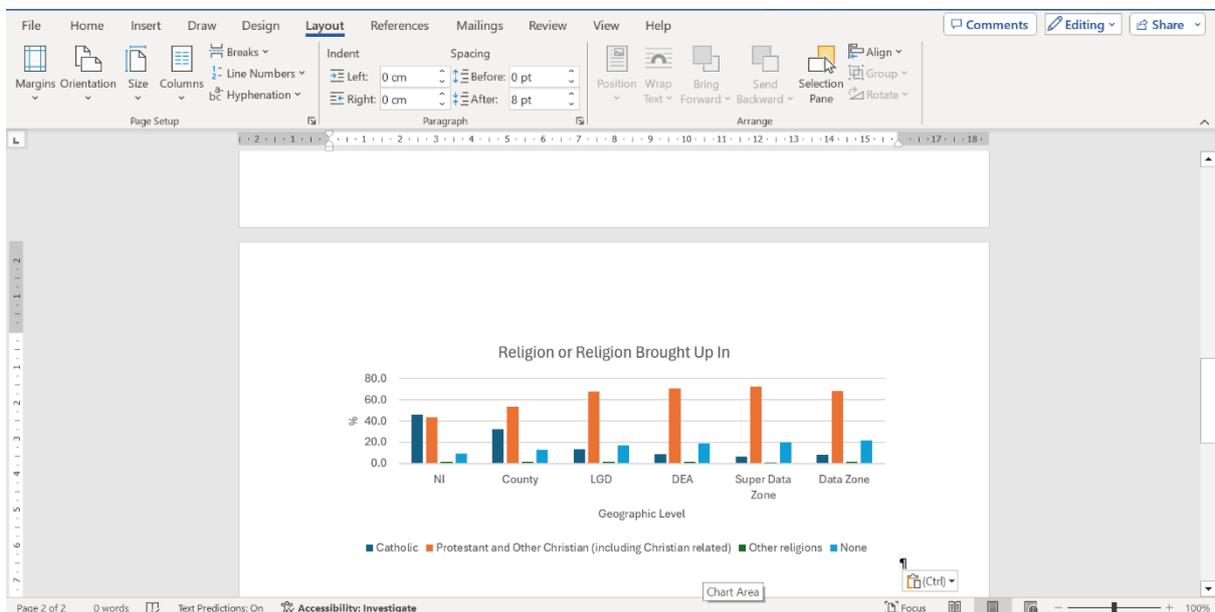


9. Copying Excel Chart from CPT spreadsheet to MS Word or PowerPoint

(a) Click on chart to highlight/frame, then *right-click* and *copy*



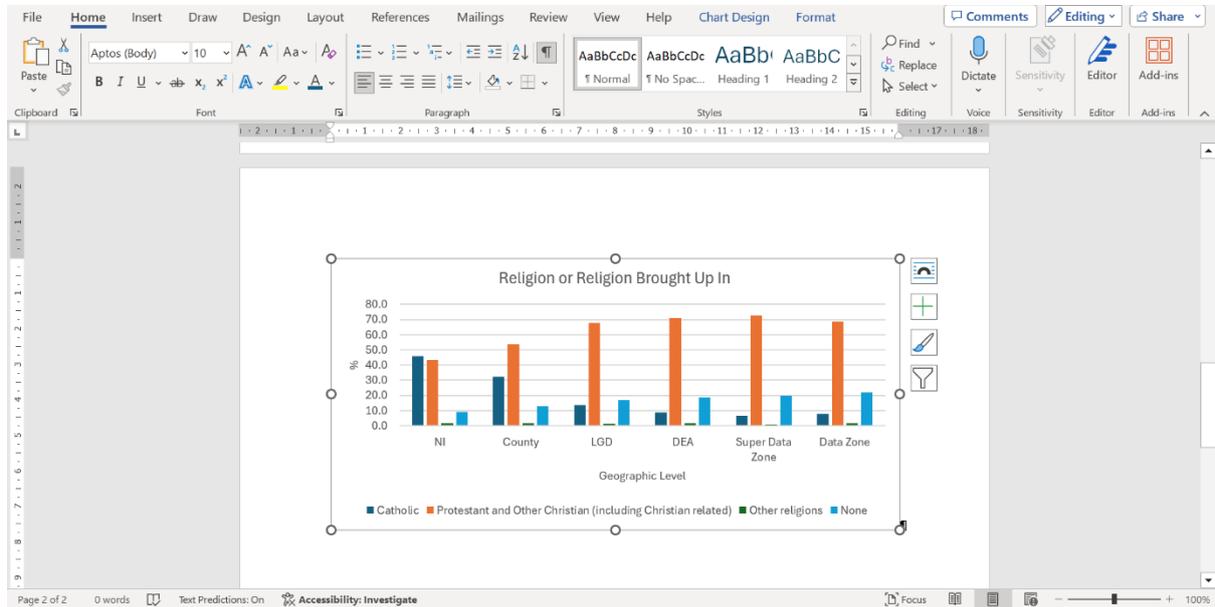
(b) Paste Excel Chart in preferred application eg MS Word or PowerPoint using the Keep Source Formatting and Link Data paste function.



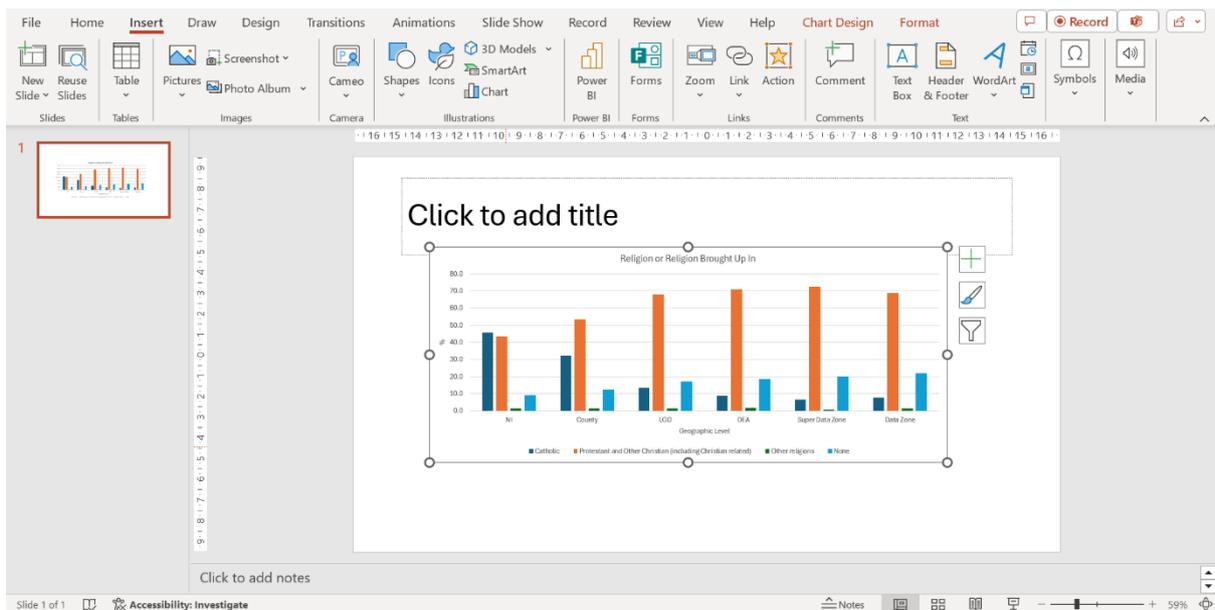
Note: The Keep Source Formatting and Link Data paste function links data in your copied chart (Word/PowerPoint) to the CPT Excel Template. This means when you make changes to the Excel template, for example, change chart type, or add a new geography, your copied chart will automatically be updated, as long as you don't rename either the Word document/PowerPoint or CPT Excel Template. If you do rename either, the data link will be broken, meaning you will have to *copy and paste* again if you make any changes to the chart in CPT Excel Template.

10. Editing Chart

(a) To *resize* the chart in **MS Word** simply *click* the chart and then *drag* the bottom central sizing handle (circle) using mouse or trackpad until the y-axis (labelled as percentage) shows 10% increments, as per original chart in CPT Excel spreadsheet.



(b) To *resize* the chart in **MS PowerPoint**, simply *click* the chart and then *drag* the sizing handles using mouse or trackpad until the chart is the size you want.



Note: the middle handles (circles) move the chart horizontally or vertically only, while the corner handles move the chart both vertically *and* horizontally simultaneously.

EXAMPLE 2 – Creating a Pivot Table

In this example, we will generate data at the Super Data Zone (SDZ) geographic level for Newtownards_H. The Variable - **Parent Qualifications** requires input from two variables: Adult Lifestage, and Qualifications (Highest Level), and creation of a Pivot Table. The following instructions will take you through the complete process, step-by-step.

11. Changing Geographies

(a) Return to NISRA's FTB at the point you left off ie **Step 5b** Table Summary screen. On the summary screen, *click* on the Change hyperlink at the Geographic level.

Note: alternatively, change selections by clicking the browser back button, until you reach the Geographic level screen and follow Steps (2) to (4) to select new geographies and variables.

Property	Value	
Population	People	
Geographic level	Local Government District 2014	Change
Geographic area	Ards and North Down	Change
Variables	Religion or Religion Brought Up In	Change
Filters	None selected	Filter table
Pivot	No pivot applied	Pivot table

[Download](#) >

(b) Select Geographic level

Select Census 2021 Data Zone and *click* on Save and return.

← Back

Choose a geography

Only showing geography variables that are compatible with your selection of Ards and North Down. [Clear selection](#)

- Local Government District 2014
- District Electoral Area 2014
- Census 2021 Super Data Zone
- Census 2021 Data Zone

[Save and return](#)

Your table

Data confidentiality

100% 80 out of 80 areas pass confidentiality checks.

Cell count: 320

Population: People

Geographic level: Census 2021 Super Data Zone

Geographic area: Ards and North Down

Variables: Religion or Religion Brought Up In

(c) Select **Geographic area**

Note: on the table summary screen, the Geographic level is now Super Data Zone. *Click* on the Change hyperlink at the Geographic area.

This dataset provides Census 2021 estimates that classify usual residents in Northern Ireland by religion or religion brought up in.

Your table

Population	People	
Geographic level	Census 2021 Super Data Zone	Change
Geographic area	Ards and North Down	Change
Variables	Religion or Religion Brought Up In	Change
Filters	None selected	Filter table
Pivot	No pivot applied	Pivot table

[Download](#) >

(d) *Select* Search for any Census 2021 Super Data Zone by name or code, *enter* the text Newtownards_H, and *click* the blue search icon. *Select* Newtownards_H

NISRA FLEXIBLE TABLE BUILDER **census 2021**

[← Back](#)

Choose areas for your selected geography

Get data for every Census 2021 Super Data Zone

Search for any Census 2021 Super Data Zone by name or code

Select every Census 2021 Super Data Zone within a larger area

Newtownards_H

[Newtownards_H](#) N21000786

Your table

Data confidentiality

100% 850 out of 850 areas pass confidentiality checks.

Cell count: 320

Population: People

Geographic level: Census 2021 Super Data Zone

(e) Click Save and return

Choose areas for your selected geography

Get data for every Census 2021 Super Data Zone

Search for any Census 2021 Super Data Zone by name or code

Newtownards_H

Your selected areas

Newtownards_H N21000786 [Remove](#)

[Save and return](#)

Your table

Data confidentiality

100% 1 out of 1 areas pass confidentiality checks.

Cell count: 4

Population: People

Geographic level: Census 2021 Super Data Zone

Geographic area: Newtownards_H

Variables: Religion or Religion Brought Up In

12. Changing Variables

(a) Click on the Change hyperlink at Variables

Note: On the table summary screen, you will see both Geographic level and Geographic area have been changed to the Super Data Zone of Newtownards_H.

This dataset provides Census 2021 estimates that classify usual residents in Northern Ireland by religion or religion brought up in.

Your table

Population	People
Geographic level	Census 2021 Super Data Zone Change
Geographic area	Newtownards_H Change
Variables	Religion or Religion Brought Up In Change
Filters	None selected Filter table
Pivot	No pivot applied Pivot table

[Download](#)

(b) Select **variables**

In the Your selected variables dialogue box *click* on Remove to clear the currently selected variable of Religion or Religion Brought Up In

The screenshot shows the 'Choose your variables' interface. At the top, there is a search bar with the text 'Search available variables' and a magnifying glass icon. Below the search bar is a button labeled 'All'. Underneath, there is a section titled 'Your selected variables' which contains the text 'Religion or Religion Brought Up In' and a 'Remove' button with an information icon. At the bottom left, there is a 'Save and return' button. On the right side, there is a 'Your table' summary panel. It includes a 'Data confidentiality' section with a 100% progress indicator and the text '1 out of 1 areas pass confidentiality checks.' Below this, it lists 'Cell count: 4', 'Population: People', 'Geographic level: Census 2021 Super Data Zone', 'Geographic area: Newtownards_H', and 'Variables: Religion or Religion Brought Up In'.

(c) *Select* the variable Adult Lifestage by entering as text into the text box and *clicking* on the blue search icon. *Click* on the matching result Adult Lifestage hyperlink.

The screenshot shows the 'Choose your variables' interface. The search bar now contains the text 'Adult Lifestage' and the magnifying glass icon is blue. Below the search bar is a button labeled 'All'. Underneath, there is a section titled 'One matching result found' with a 'Clear search' button. Below this, there is a search result for 'Adult Lifestage' which is circled in green. The result text is 'Adult Lifestage' with a right-pointing arrow, and below it, it says '5 classifications available'. At the bottom left, there is a 'Your selected variables' section which is currently empty. On the right side, the 'Your table' summary panel is visible, showing the same information as in the previous screenshot.

(d) Select Adult Lifestage – 13 categories. Then click Save and return.

The screenshot shows a web interface for selecting a classification for 'Adult Lifestage'. On the left, there are five radio button options: 'Adult Lifestage - 6 Categories', 'Adult Lifestage - 8 Categories', 'Adult Lifestage - 11 Categories', 'Adult Lifestage - 13 Categories' (which is selected), and 'Adult Lifestage'. Below these options are two buttons: 'Save and return' and 'or cancel'. On the right, a 'Your table' sidebar displays the following information: 'Data confidentiality' with a 100% progress indicator and the text '1 out of 1 areas pass confidentiality checks.'; 'Cell count: 13'; 'Population: People'; 'Geographic level: Census 2021 Super Data Zone'; 'Geographic area: Newtownards_H'; and 'Variables: Adult Lifestage - 13 Categories'.

Note: The variable listing in [Appendix 2](#) specifies the classification to select for each variable in the community profile (n=12)

(e) Select second variable Qualifications (Highest Level) by entering as text into the text box and clicking on blue search icon. Click on matching result Qualifications (Highest Level) hyperlink.

The screenshot shows a web interface for choosing variables. At the top, there is a search box containing the text 'Qualifications (Highest Level)' and a blue search icon. Below the search box, there is a filter button labeled 'All'. The search results section shows 'One matching result found' and a link to 'Qualifications (Highest Level)' with a green circle around the text. Below this link, it says '3 classifications available'. At the bottom, there is a section titled 'Your selected variables' which contains 'Adult Lifestage - 13 Categories' with 'Change' and 'Remove' buttons. On the right, a 'Your table' sidebar displays the same information as in the previous screenshot: 'Data confidentiality' (100%), 'Cell count: 13', 'Population: People', 'Geographic level: Census 2021 Super Data Zone', 'Geographic area: Newtownards_H', and 'Variables: Adult Lifestage - 13 Categories'.

(f) Use the variable listing in [Appendix 2](#) to select the relevant classification. In this case, *select* Qualifications (Highest Level) – 7 categories. Then *click* Save and return.

The screenshot shows the NISRA Flexible Table Builder interface. The main heading is "Choose a classification of Qualifications (Highest Level)". There are three radio button options:

- Qualifications (Highest Level) - 3 Categories
- Qualifications (Highest Level) - 7 Categories** (selected)
- Qualifications (Highest Level)

 At the bottom left, there is a "Save and return" button and a "cancel" link. On the right side, a "Your table" summary panel shows:

- Data confidentiality: 100% (1 out of 1 areas pass confidentiality checks)
- Cell count: 91
- Population: People
- Geographic level: Census 2021 Super Data Zone

(g) *Click* Save and continue

Note: Dialogue box shows selected variables and classification

The screenshot shows the NISRA Flexible Table Builder interface at the "Choose your variables" step. It features a search bar with the placeholder "Search available variables" and a search icon. Below the search bar is a filter button labeled "All". Under the heading "Your selected variables", two items are listed:

- Adult Lifestage - 13 Categories (with "Change" and "Remove" links and an info icon)
- Qualifications (Highest Level) - 7 Categories (with "Change" and "Remove" links and an info icon)

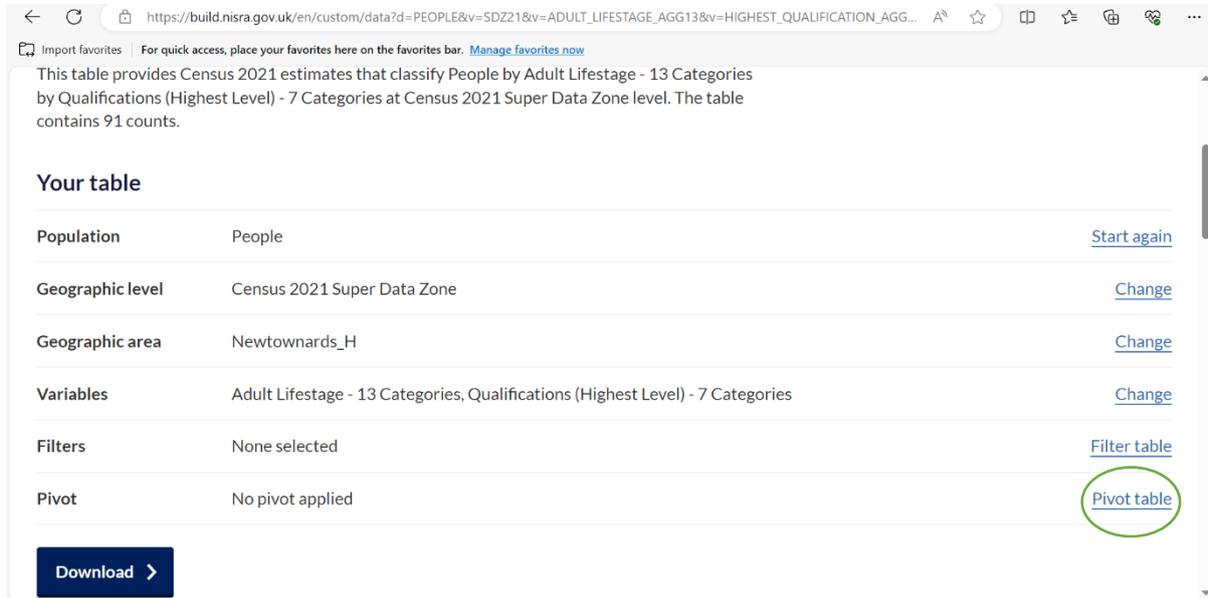
 At the bottom left, there is a "Save and continue" button. On the right side, the "Your table" summary panel is updated to show:

- Data confidentiality: 100% (1 out of 1 areas pass confidentiality checks)
- Cell count: 91
- Population: People
- Geographic level: Census 2021 Super Data Zone
- Geographic area: Newtownards_H
- Variables: Adult Lifestage - 13 Categories, Qualifications (Highest Level) - 7 Categories

(13) Create Pivot table

Note: Summary table now shows selected Geographic level (Super Data Zone), Geographic area (Newtownards_H), and Variables: Adult Lifestage, Qualifications (Highest level).

(a) Click on Pivot Table hyperlink at the Pivot area to start creating the pivot table



https://build.nisra.gov.uk/en/custom/data?d=PEOPLE&v=SDZ21&v=ADULT_LIFESTAGE_AGG13&v=HIGHEST_QUALIFICATION_AGG...

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

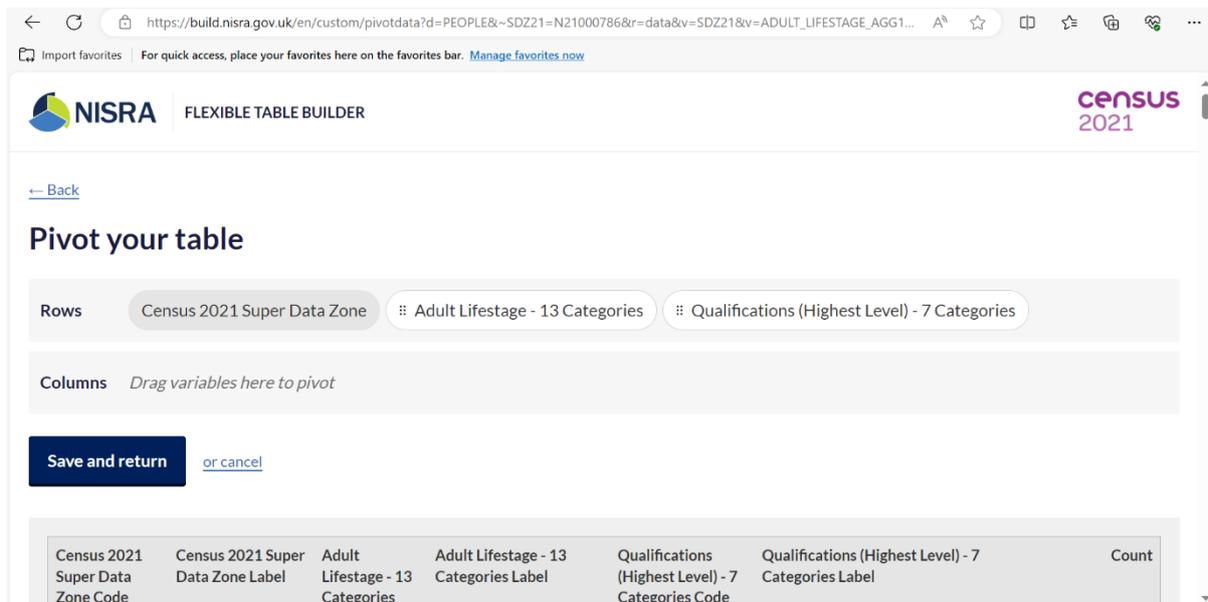
This table provides Census 2021 estimates that classify People by Adult Lifestage - 13 Categories by Qualifications (Highest Level) - 7 Categories at Census 2021 Super Data Zone level. The table contains 91 counts.

Your table

Population	People	Start again
Geographic level	Census 2021 Super Data Zone	Change
Geographic area	Newtownards_H	Change
Variables	Adult Lifestage - 13 Categories, Qualifications (Highest Level) - 7 Categories	Change
Filters	None selected	Filter table
Pivot	No pivot applied	Pivot table

[Download](#) >

(b) To pivot your table, *drag* the qualifications (highest level) variable (move cursor to Qualifications variable to highlight, *hold left click* and *move* mouse or *navigate* track pad to move the variable) from the Rows section into the Columns section.



https://build.nisra.gov.uk/en/custom/pivotdata?d=PEOPLE&v=SDZ21=N21000786&r=data&v=SDZ21&v=ADULT_LIFESTAGE_AGG1...

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

NISRA FLEXIBLE TABLE BUILDER **census 2021**

[← Back](#)

Pivot your table

Rows Census 2021 Super Data Zone Adult Lifestage - 13 Categories Qualifications (Highest Level) - 7 Categories

Columns *Drag variables here to pivot*

[Save and return](#) [or cancel](#)

Census 2021 Super Data Zone Code	Census 2021 Super Data Zone Label	Adult Lifestage - 13 Categories	Adult Lifestage - 13 Categories Label	Qualifications (Highest Level) - 7 Categories Code	Qualifications (Highest Level) - 7 Categories Label	Count
----------------------------------	-----------------------------------	---------------------------------	---------------------------------------	--	---	-------

(c) Click on Save and return

The screenshot shows the NISRA Flexible Table Builder interface. At the top, there is a navigation bar with the NISRA logo, the text 'FLEXIBLE TABLE BUILDER', and the 'census 2021' logo. Below the navigation bar, there is a 'Back' link. The main heading is 'Pivot your table'. Underneath, there are two rows of configuration options: 'Rows' with 'Census 2021 Super Data Zone' and 'Adult Lifestage - 13 Categories', and 'Columns' with 'Qualifications (Highest Level) - 7 Categories'. A 'Clear pivot' link is located to the right of the columns configuration. At the bottom left, there is a dark blue 'Save and return' button and a blue 'or cancel' link. Below the configuration area, a preview of the table structure is visible, showing a 'Count' column and a 'Qualifications (Highest Level) - 7 Categories' column.

(d) Check table summary of Geographic level, Geographic area, Variables, and Pivot options.

The screenshot shows the NISRA Flexible Table Builder interface displaying a table summary. At the top, there is a navigation bar with the NISRA logo, the text 'FLEXIBLE TABLE BUILDER', and the 'census 2021' logo. Below the navigation bar, there is a 'Back' link. The main heading is 'Your table'. Below the heading, there is a paragraph of text: 'This table provides Census 2021 estimates that classify People by Adult Lifestage - 13 Categories by Qualifications (Highest Level) - 7 Categories at Census 2021 Super Data Zone level. The table contains 91 counts.' Below the text, there is a table with the following structure:

Property	Value	Action
Population	People	Start again
Geographic level	Census 2021 Super Data Zone	Change
Geographic area	Newtownards_H	Change
Variables	Adult Lifestage - 13 Categories, Qualifications (Highest Level) - 7 Categories	Change
Filters	None selected	Filter table
Pivot	2 row variables, 1 column variable	Change

At the bottom left, there is a dark blue 'Download' button with a right-pointing arrow.

(14) Data Extraction

(a) *Click* on download, which opens a window to download formats. Click on XLSX to open Excel spreadsheet download window on the top right of screen. *Click* on Open file at top right corner of screen to open Excel spreadsheet containing the generated data table.

The screenshot shows a web browser window displaying the NISRA data extraction interface. The main content area is titled "Your table" and contains the following configuration details:

Population	People	
Geographic level	Census 2021 Super Data Zone	Change
Geographic area	Newtownards_H	Change
Variables	Adult Lifestage - 13 Categories, Qualifications (Highest Level) - 7 Categories	Change
Filters	None selected	Filter table
Pivot	2 row variables, 1 column variable	Change

Below the configuration is a "Download" button with a dropdown arrow. The dropdown menu is open, showing "Download as ..." with "XLSX" selected and highlighted in yellow. Below "XLSX" is the text "Data table and supporting information".

A "Downloads" window is open in the top right corner of the browser, showing a file named "ni-census21-people-sdz2...tion_agg7-45588d2c.xlsx" with an "Open file" button and a "See more" link.

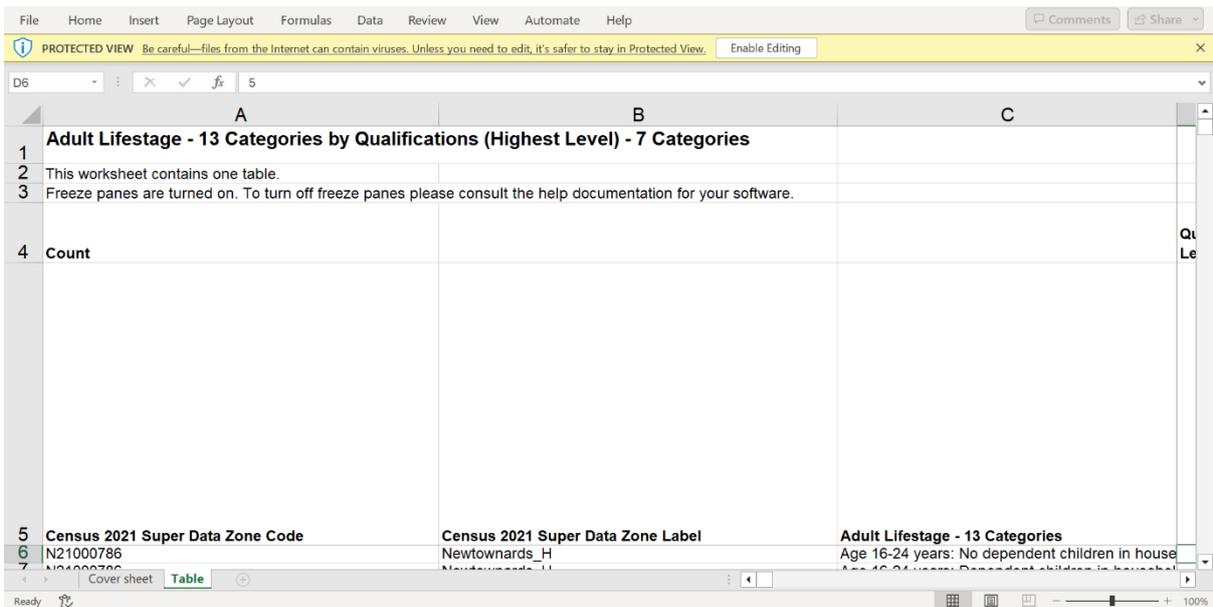
(b) The NISRA FTB Excel spreadsheet will open in a new window at the Cover Sheet. *Click* the Table tab at bottom left-hand corner of the spreadsheet to open the generated data table.

The screenshot shows an Excel spreadsheet in Protected View. The title bar reads "Adult Lifestage - 13 Categories by Qualifications (Highest Level) - 7 Categories". The spreadsheet content is as follows:

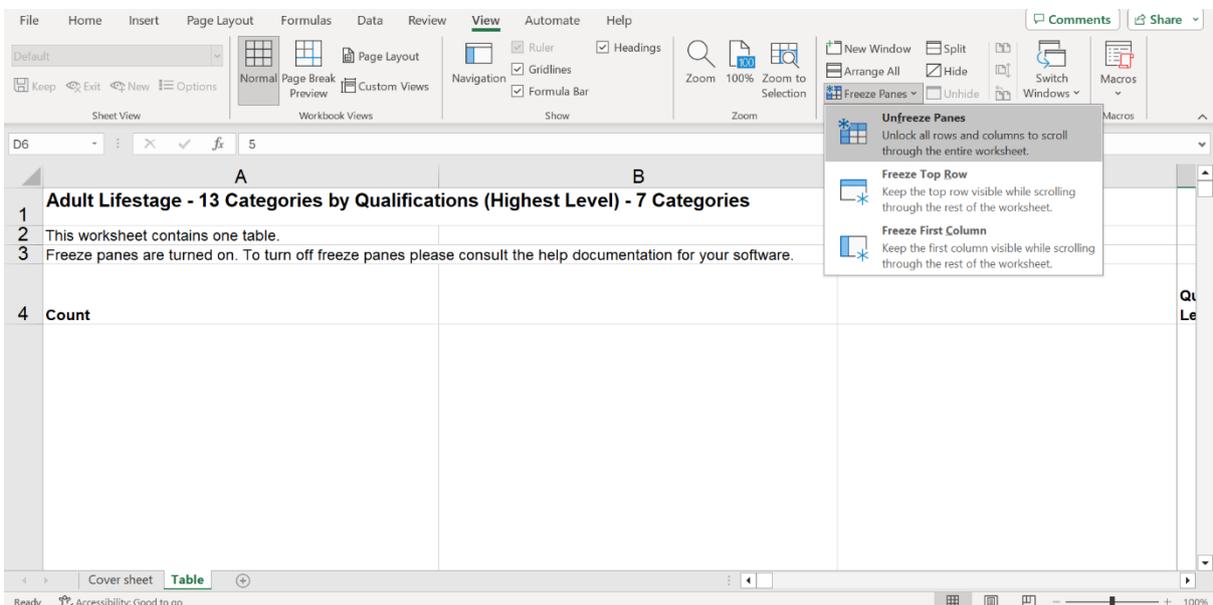
1	Adult Lifestage - 13 Categories by Qualifications (Highest Level) - 7 Categories		
2	This table provides Census 2021 estimates that classify People by Adult Lifestage - 13 Categories by Qualifications (Highest Level) - 7 Categories at Census 2021 Super Data Zone level. The table contains 91 counts.		
3	Accredited official statistics theme		
4	Census 2021		
5	Coverage		
6	Census 2021 Super Data Zone		
7	Contact name		
8	Census Customer Services		
9	Contact number		
10	028 9025 5156		
11	Contact email		
12	census@nisra.gov.uk		

The bottom of the spreadsheet shows a tab labeled "Cover sheet" and another tab labeled "Table". The status bar at the bottom indicates "Ready" and "100%" zoom.

(c) Click on Enable Editing in the yellow band at the top of the screen.



(d) Click on View in the NISRA FTB Excel spreadsheet ribbon (row of tabs and icons located at the top of the Excel window), then click on drop-down arrow at Freeze Panes, and click on Unfreeze Panes.



(e) Scroll down and across to column C (Adult Lifestage categories) and select Counts for No Qualifications in Column D, and rows 9-11, (ie youngest dependent child in household aged 0-4yrs, 5-11yrs, 12-18yrs), right-click and copy data. Keep this NISRA FTB Excel spreadsheet open.

Adult Lifestage - 13 Categories	No qualifications	Level 1: 1 to 4 GCSE levels, CSEs (grades); 1 AS Level; 1 level 1; or equivalent
Age 16-24 years: No dependent children in household	3	
Age 16-24 years: Dependent children in household	8	
Age 25-54 years: No dependent children in household	24	
Age 25-54 years: Dependent children in household: Youngest dependent child in household aged 0-4 years	2	
Age 25-54 years: Dependent children in household: Youngest dependent child in household aged 5-11 years	5	
Age 25-54 years: Dependent children in household: Youngest dependent child in household aged 12-18 years	5	
Age 55-65 years: One person household	4	
Age 55-65 years: Two or more person household: No dependent children	14	
Age 55-65 years: Two or more person household: Dependent children in household	2	
Age 66+ years: One person household	28	
Age 66+ years: Two or more person household: No dependent children	32	
Age 66+ years: Two or more person household: Dependent children in household	0	
No code required	0	

C. Create Charts

15 Navigate CPT Excel spreadsheet

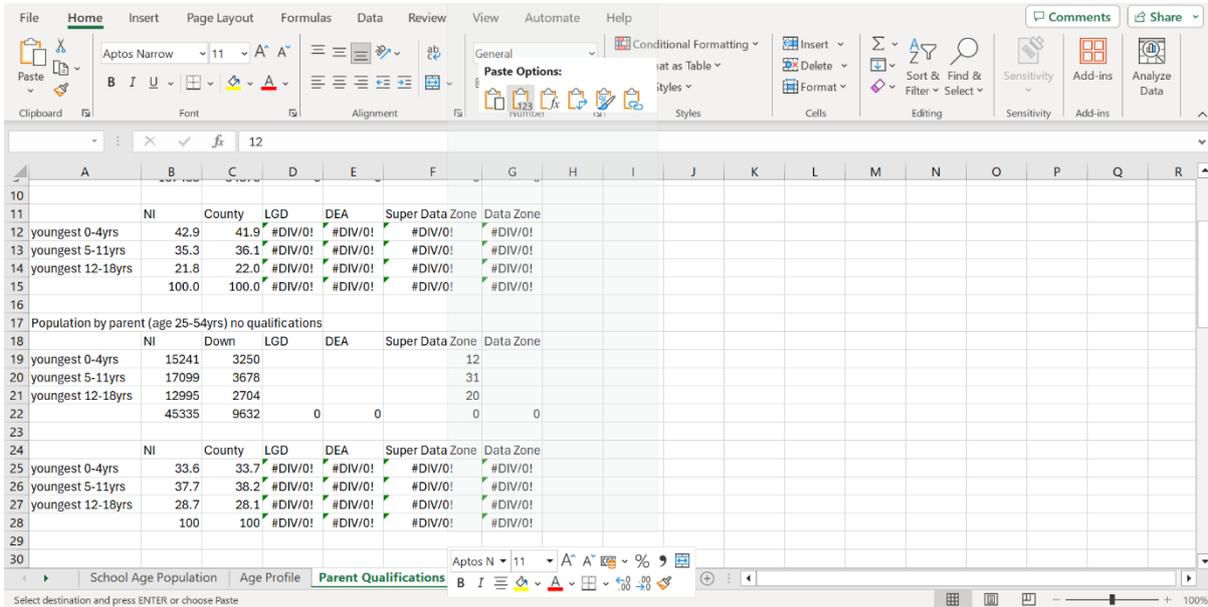
(a) Open your saved CPT Excel Template, if not already open. In this example, it is the Co Down CPT Excel Template. Use the arrow buttons in bottom left-hand corner of screen to scroll variable tabs, then click on the Parent Qualifications tab.

Population by parent (age25-54yrs) degree (L4+)		NI	Down	LGD	DEA	Super Data Zone	Data Zone
youngest 0-4yrs		71777	22802				
youngest 5-11yrs		59122	19631				
youngest 12-18yrs		36559	11943				
		167458	54376	0	0	0	0

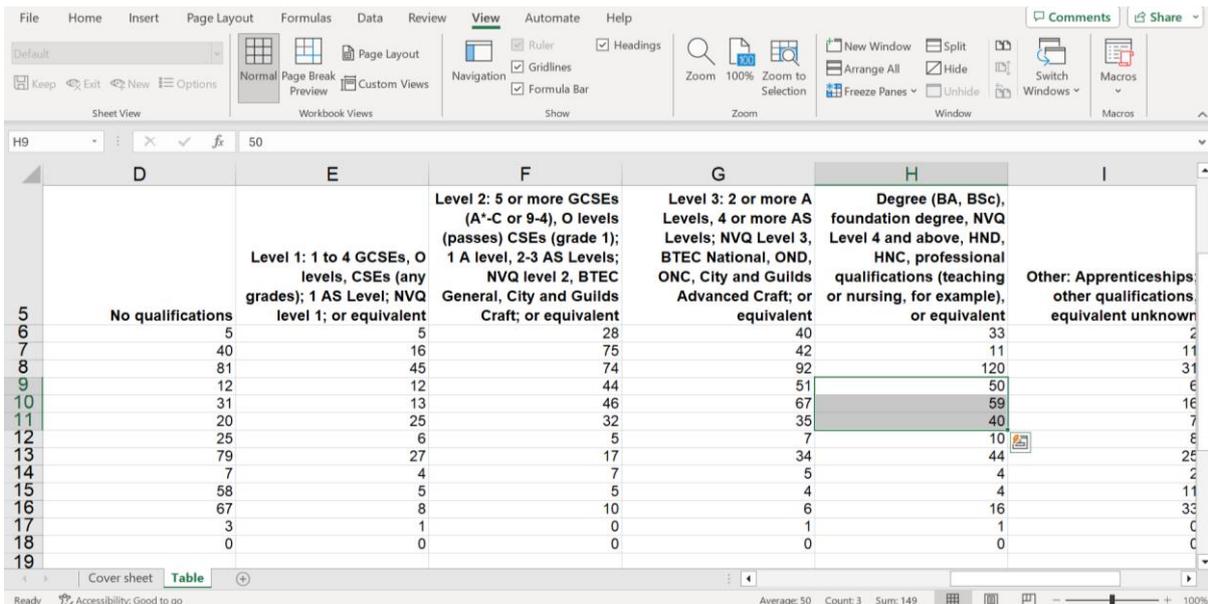
Population by parent (age 25-54yrs) no qualifications		NI	Down	LGD	DEA	Super Data Zone	Data Zone
youngest 0-4yrs		15241	3250				
youngest 5-11yrs		17099	3678				
youngest 12-18yrs		12995	2704				

(16). Copy and paste Count data between NISRA FTB and CPT Excel spreadsheets.

(a) *Select* Super Data Zone cells (F19-21) in the table 'Population by parent (age 25-34yrs) no qualifications' in the CPT Excel spreadsheet, then *right click* and *paste* the values (123 paste option) copied from the NISRA FTB Excel table into the Super Data Zone Column (F). Keep the CPT Excel spreadsheet open.



(b) Return to the NISRA FTB pivot table. *Scroll* across to column H (Adult Lifestage categories) and *select* Counts for Degree (L4+) in rows 9-11 (ie youngest dependent child in household aged 0-4yrs, 5-11yrs, 12-18yrs), *right-click* and *copy*

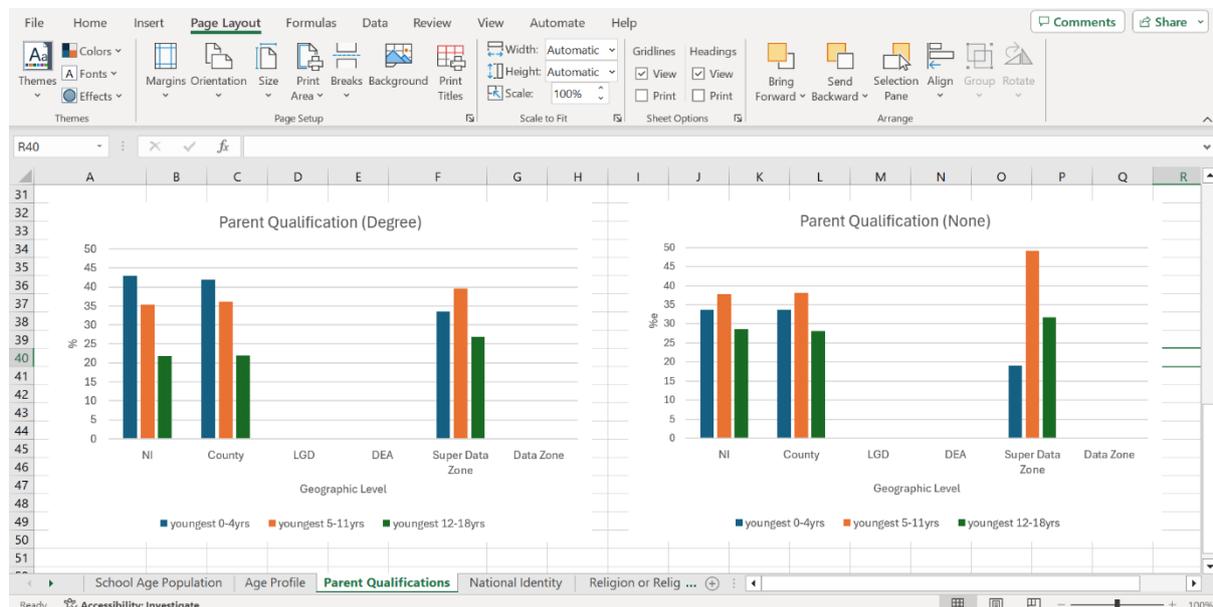


(c) Switch to the CPT Excel Template, *select* the Super Data Zone cells (F6-8) in the table Population by parent (age 25-34yrs) degree (L4+), then *right click* and *paste* the copied values.

Note: notice how on pasting the Count data, the corresponding percentage values are automatically calculated in the table below it. It is this percentage data that is used to create the chart.

	NI	Down	LGD	DEA	Super Data Zone	Data Zone
Population by parent (age25-54yrs) degree (L4+)						
youngest 0-4yrs	71777	22802			50	
youngest 5-11yrs	59122	19631			59	
youngest 12-18yrs	36559	11943			40	
	167458	54376	0	0	149	0
	NI	County	LGD	DEA	Super Data Zone	Data Zone
youngest 0-4yrs	42.9	41.9	#DIV/0!	#DIV/0!	33.6	#DIV/0!
youngest 5-11yrs	35.3	36.1	#DIV/0!	#DIV/0!	39.6	#DIV/0!
youngest 12-18yrs	21.8	22.0	#DIV/0!	#DIV/0!	26.8	#DIV/0!
	100.0	100.0	#DIV/0!	#DIV/0!	100	#DIV/0!
Population by parent (age 25-54yrs) no qualifications						
youngest 0-4yrs	15241	3250			12	
youngest 5-11yrs	17099	3678			31	
youngest 12-18yrs	12995	2704			20	
	45335	9632	0	0	63	0

(d) *Scroll* down the spreadsheet to view the Super Data Zone charts for Parent Qualification (Degree) and Parent Qualification (None)



(e) Complete the Parent Qualifications chart by creating pivot tables for the remaining geography levels of LGD, DEA and DZ using *Steps 11, 13, 14 and 15 (pgs 18-28)*.

(f) Follow *Steps 9 and 10 (pgs 16-17)* to copy the Parent Qualifications chart from the CPT Excel spreadsheet to MS Word or PowerPoint for editing.

EXAMPLE 3 – Re-categorisation of Variable Categories

Variable: **School Age Children**

Data generation for this variable involves extraction of 0-18yrs data from the Age variable in NISRA's FTB Excel spreadsheet, with auto categorisation to 0-4yrs, 5-11yrs, and 12-18yrs in CPT Excel spreadsheet.

(17). Follow Step 11 to select Geographic level, and area. In this example, we will use the following:

EXAMPLE

Geographic level: Data Zone

Geographic area: Lurgan_S1

CPT Excel Template: Co Armagh

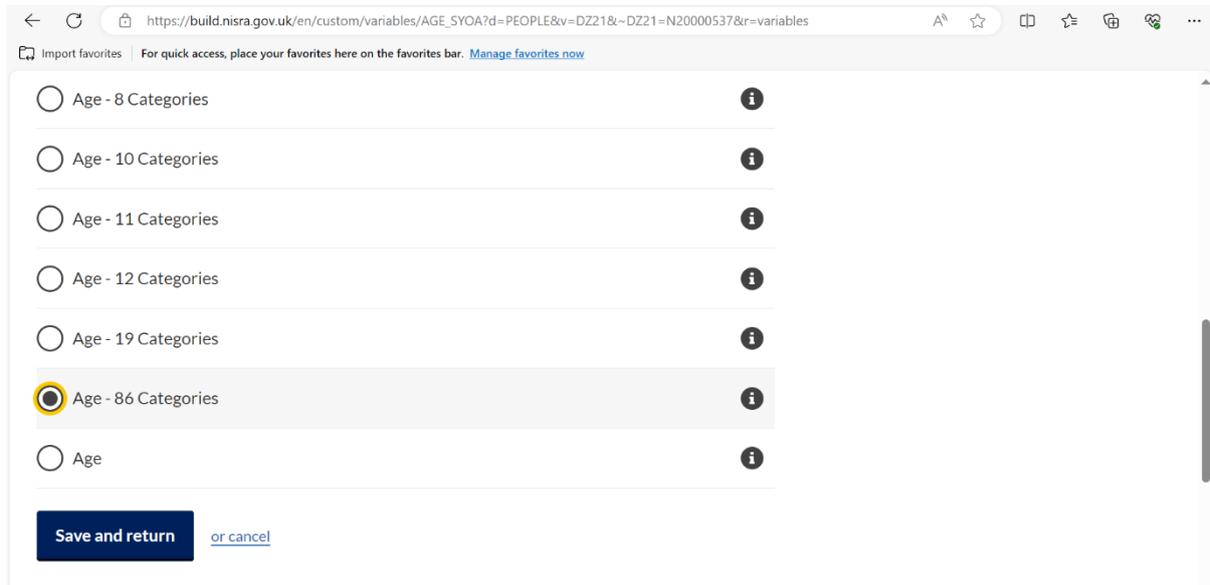
(18). Select Variables

(a) *Select* the variable Age by entering as text into the text box and *clicking* on the blue search icon. *Click* on the Age hyperlink under matching results.

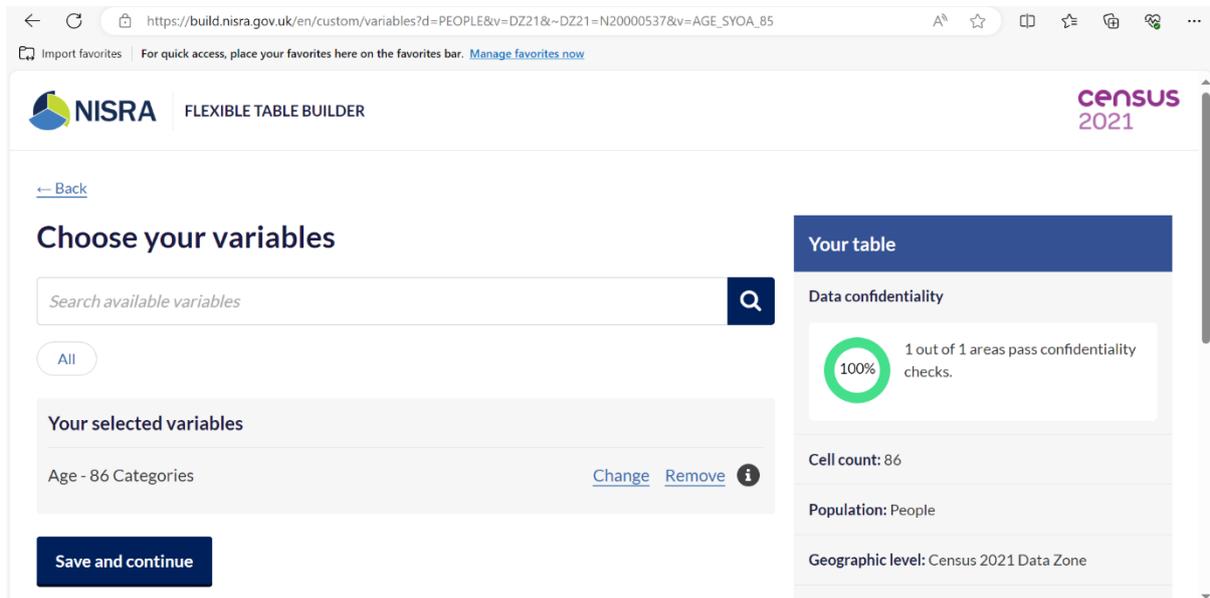
The screenshot shows the NISRA 'Choose your variables' interface. The search bar contains the text 'Age' and a blue search icon. Below the search bar, there are 5 matching results found. The first result is 'Adult Lifestage' with 5 classifications available. The second result is 'Age' with 16 classifications available. The third result is 'Compulsory School Age' with 2 classifications available. On the right side, there is a 'Your table' panel. The 'Data confidentiality' section shows a green progress indicator at 100% and the text '1 out of 1 areas pass confidentiality checks.' Below this, the 'Cell count: 1' is displayed. The 'Population' is listed as 'People'. The 'Geographic level' is 'Census 2021 Data Zone' and the 'Geographic area' is 'Lurgan_S1'. The 'Variables' section shows 'None selected' and the 'Filters' section also shows 'None selected'.

(b) Select Age – 86 categories. Then click Save and return.

Note: The variable listing in [Appendix 2](#) specifies the classification to select for each variable in the community profile (n=12).



(c) Click on Save and continue



(d) Check table summary of Geographic level, Geographic area, and Variables.

This table provides Census 2021 estimates that classify People by Age - 86 Categories at Census 2021 Data Zone level. The table contains 86 counts.

Your table

Population	People	Start again
Geographic level	Census 2021 Data Zone	Change
Geographic area	Lurgan_S1	Change
Variables	Age - 86 Categories	Change
Filters	None selected	Filter table
Pivot	No pivot applied	Pivot table

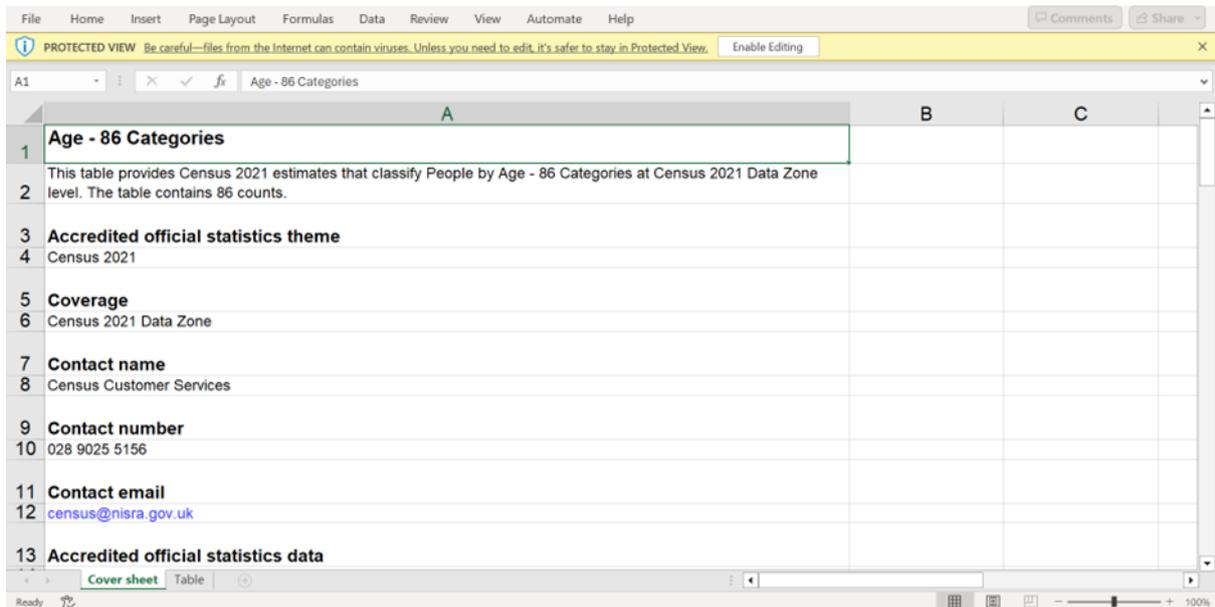
[Download](#)

(19) Data Extraction

(a) Click on download, which opens a window to download formats. Click on XLSX to open Excel spreadsheet downloads window on the top right of screen. Click on Open file.

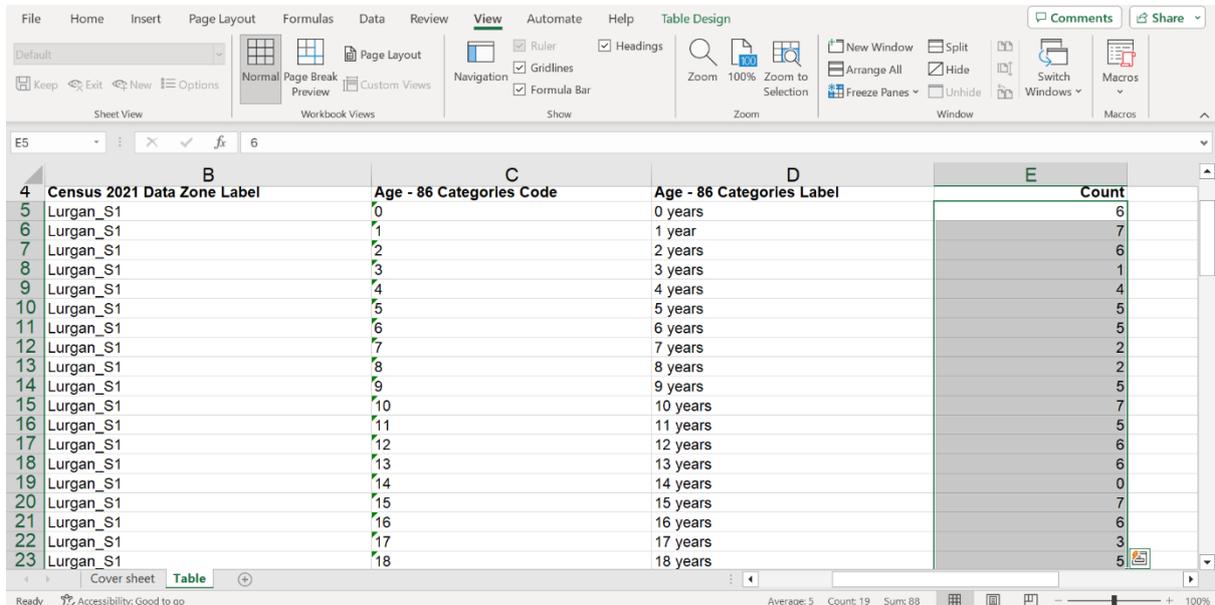
This screenshot shows the same table configuration summary as above, but with the 'Download' button clicked. A 'Download as ...' menu is open, showing 'XLSX' selected. Simultaneously, a 'Downloads' window is open in the top right corner, showing a file named 'ni-census21-people-dz21...oa_85-a1f99b9f (2).xlsx' with an 'Open file' link.

(b) Click on Table tab



(c) In NISRA's FTB spreadsheet, scroll across to the Count column in Column E, and select the counts/numbers for 0-18yrs, right click and copy.

Note: column B confirms the geography level



(20) Chart Creation

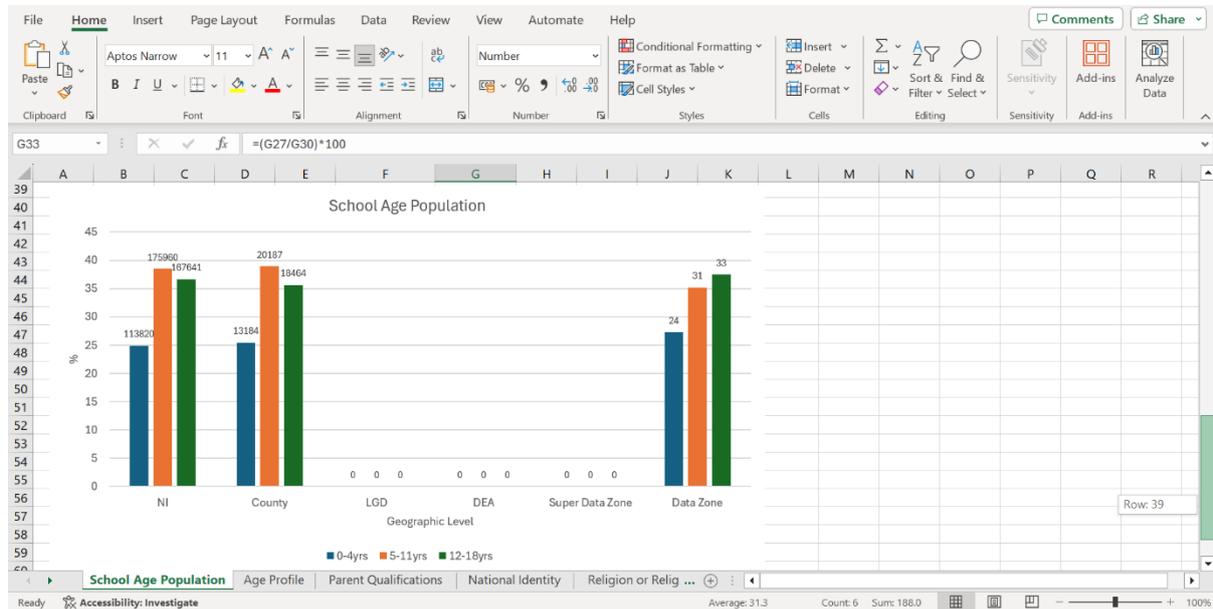
(a) *Open CPT Excel Template (in this case Co Armagh). In School Age Population spreadsheet, paste count data into Data Zone column G, to correspond with age in Column A.*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4		NI	Armagh	LGD	DEA	Super Data Zone	Data Zone											
5	0	21201	2,495				6											
6	1	22419	2,601				7											
7	2	22939	2,621				6											
8	3	22943	2,710				1											
9	4	24318	2,757				4											
10	5	24464	2,830				5											
11	6	24684	2,873				5											
12	7	24309	2,729				2											
13	8	25501	2,926				2											
14	9	25518	2,905				5											
15	10	26015	3,035				7											
16	11	25469	2,889				5											
17	12	25646	2,750				6											
18	13	25384	2,905				6											
19	14	24404	2,741				0											
20	15	23220	2,564				7											
21	16	23574	2,675				6											
22	17	23067	2,493				3											
23	18	22346	2,336				5											
24		457421	51835	0	0	0	88											

(b) *Re-categorisation of ages into 0-4yrs, 5-11yrs, and 12-18yrs and related counts and percentages are automatically calculated in the two tables below where you pasted the original data from the NISRA FTB spreadsheet.*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
19	14	24404	2,741				0											
20	15	23220	2,564				7											
21	16	23574	2,675				6											
22	17	23067	2,493				3											
23	18	22346	2,336				5											
24		457421	51835	0	0	0	88											
25																		
26		NI	Armagh	LGD	DEA	Super Data Zone	Data Zone											
27	0-4yrs	113820	13184	0	0	0	24											
28	5-11yrs	175960	20187	0	0	0	31											
29	12-18yrs	167641	18464	0	0	0	33											
30	Total	457421	51835	0	0	0	88											
31																		
32	%	NI	County	LGD	DEA	Super Data Zone	Data Zone											
33	0-4yrs	24.9	25.4	#DIV/0!	#DIV/0!	#DIV/0!	27.3											
34	5-11yrs	38.5	38.9	#DIV/0!	#DIV/0!	#DIV/0!	35.2											
35	12-18yrs	36.6	35.6	#DIV/0!	#DIV/0!	#DIV/0!	37.5											
36		100	100	#DIV/0!	#DIV/0!	#DIV/0!	100											
37																		
38																		
39																		

(c) Scroll down the CPT Excel spreadsheet to view Data Zone level data in chart. The columns in the chart represent percentage values, while the actual numbers of children in each age category are shown at the top of each column.



(d) Complete the School Age Population chart by creating NISRA data tables for the remaining geography levels of LGD, DEA and DZ and copying and pasting into the CPT Excel spreadsheet using Steps 11, 13, 14 and 15 (pgs18-28).

(e) Follow Steps 9 and 10 (pgs16-17) to copy the School Age Population chart from the CPT Excel spreadsheet to MS Word or PowerPoint and edit.