

Building a table in the SAS Web Report Studio

This section provides an example on how to run a query within the SAS Cube environment. The query will create a table of clients by Indigenous status, age group and sex. For reference, this query is equivalent to the supplementary table S2.4: All clients by Indigenous status and age and sex, 2001-12, adjusted for non-response – found in the Specialist homelessness services: supplementary tables 2011-12 publication [here](#).

Age group (years)	Male		Female		All Clients	
	Indigenous	Non-Indigenous	Indigenous	Non-Indigenous	Indigenous	Non-Indigenous
0–9	5,719	11,744	5,451	11,137	11,170	22,881
10–14	1,588	4,110	1,806	4,137	3,394	8,247
15–17	1,143	4,045	1,785	5,879	2,928	9,925
18–24	2,314	10,123	5,590	16,731	7,904	26,854
25–34	2,186	10,467	5,573	18,710	7,760	29,177
35–44	2,165	11,347	4,087	16,864	6,253	28,211
45–54	1,374	7,835	1,995	8,986	3,369	16,821
55–64	452	3,678	643	3,423	1,095	7,100
65+	130	1,752	201	1,639	331	3,392
Total	17,072	65,101	27,130	87,507	44,202	152,608

Note: Indigenous status was not reported for 32,437 clients.

Note: for information on basic use of the SHSC data cubes, such as logging into the data cube and basic interrogation of the data, please read the following document[insert link here].

Building a table

The screenshot below shows the most recent (multi-year) version of this data cube. The name of the cube – ‘SHS Multi_Year Demographics’ (circled below) is different to the name in the subsequent screenshots. Most of the screenshots that follow were taken using the single year (2011-12) version of the data cube which was available when this document was originally written. The methodology to navigate through the data and construct tables is the same.

The screenshot shows the SAS Report Studio interface. On the left, the 'Section Data' menu is visible, with 'SHS Multi_Year Demographics' highlighted by a red circle. The main content area displays the report title 'SHS Multi-year Demographics' and a table of client counts. The table has 13 columns representing different accommodation durations and 14 rows representing age groups. The data is as follows:

Accommodation nights	No accommodation	1 day	2 days - 1 week	8 days - 2 weeks	15 days - 4 weeks	>4 weeks - 6 weeks	>6 weeks - 13 weeks	>13 weeks - 19 weeks	>19 weeks - 26 weeks	>26 weeks - 39 weeks	>39 weeks - 52 weeks	>52 weeks
Client count	Client count	Client count	Client count	Client count	Client count	Client count	Client count	Client count	Client count	Client count	Client count	Client count
Age group												
0-9	36,924	3,070	6,137	3,036	3,939	3,176	7,222	3,395	2,776	3,208	2,163	1,723
10-14	15,248	1,028	1,701	813	1,078	800	1,892	955	725	871	675	608
15-17	16,694	1,225	1,952	1,042	1,469	1,097	2,234	1,130	826	1,058	629	487
18-19	16,538	930	1,434	779	997	835	1,833	942	792	915	701	572
20-24	36,095	2,080	3,334	1,447	1,793	1,403	2,936	1,488	1,125	1,337	988	830
25-29	30,795	1,705	3,262	1,481	1,595	1,143	2,246	1,081	751	863	575	444
30-34	31,418	1,595	3,210	1,467	1,648	1,127	2,271	1,046	735	782	586	458
35-39	30,766	1,440	2,871	1,296	1,471	1,010	2,182	951	737	786	616	504
40-44	29,523	1,209	2,371	1,192	1,349	842	1,758	827	574	715	489	448
45-49	22,239	911	1,693	844	924	580	1,246	570	416	442	326	344
50-54	15,752	571	1,134	520	615	461	813	402	286	282	225	247
55-59	9,876	359	602	277	295	241	522	228	144	184	134	144
60-64	6,441	190	313	163	176	139	274	119	72	89	92	112
65+	8,586	214	328	182	177	150	273	105	99	92	106	223
n.p.	994	199	484	304	394	279	522	210	140	122	44	25

The screenshot below shows you the appearance of the report studio when you first log into the cube. Once you are in the Studio, you will need to determine which of the data items you require for your query. You can find the list of data items available in the 'SHS Demographics' menu, found on the left hand side (LHS) of the screen, see below.

File View Data Log Off Anna Churchward | Preferences | **Help**

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Section: Section

Section Data Options

SHS Demographics

- Age
- Sex
- Risk Of Homelessness (e
- Care Or Protection Ord
- Country Of Birth (region
- Diagnosed Mental Health
- Dv Victim
- Exiting Care
- Exiting Custody
- Homelessness (first Rep

Applied filters: None

Age group	0-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	n.p.	Total
	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count
Remoteness area																
Sex																
Major cities																
Male	10,853	3,697	3,484	3,158	5,665	4,428	5,001	5,194	5,101	4,124	2,993	1,908	1,186	1,422	.	58,214
Female	10,454	3,666	4,942	4,802	10,007	8,530	8,475	7,987	7,104	4,821	3,232	1,871	1,172	1,481	2	78,548
Inner regional																
Male	4,541	1,571	1,618	1,358	2,088	1,602	1,659	1,627	1,472	1,169	869	577	336	461	2	20,950
Female	4,212	1,717	2,447	2,107	4,412	3,521	3,376	3,260	2,784	1,974	1,256	743	522	607	.	32,938
Outer regional																
Male	3,255	977	801	612	1,025	784	813	798	837	678	507	353	206	246	8	11,901
Female	2,929	1,038	1,125	1,029	2,085	1,732	1,455	1,360	1,150	807	565	299	163	180	8	15,926
Remote																
Male	866	249	144	87	148	149	144	149	195	159	122	87	62	76	45	2,682
Female	979	311	266	222	642	594	500	430	434	243	158	81	51	55	44	5,011
Very remote																
Male	343	72	11	.	.	.	13	19	5	5	.	.	.	9	133	610
Female	372	139	97	85	329	305	245	251	200	113	76	56	9	34	154	2,467
Total	38,805	13,436	14,935	13,460	26,402	21,647	21,669	21,069	19,295	14,092	9,784	5,976	3,707	4,572	396	229,247

You should note that if any of the below information does not provide you with the information you need, SAS also has several help options that can be found in the top right hand corner of the screen, circled in red above.

Selecting the appropriate data items

There are two ways in which you can select the data items to be included in your table. One is to 'drag and drop' the relevant data item into the section of the table you would like it to appear. See example, below.

Applied filters: None

Age group	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Total
0-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	n.p.				
Major cities	Male	10,853	3,697	3,484	3,158	5,665	4,428	5,001	5,194	5,101	4,124	2,993	1,908	1,186	1,422	.	.	58,214
	Female	10,454	3,666	4,942	4,802	10,007	8,530	8,475	7,987	7,104	4,821	3,232	1,871	1,172	1,481	2	.	78,548
Inner regional	Male	4,541	1,571	1,618	1,358	2,088	1,602	1,659	1,627	1,472	1,169	869	577	336	461	2	.	20,950
	Female	4,212	1,717	2,447	2,107	4,412	3,521	3,376	3,260	2,784	1,974	1,256	743	522	607	.	.	32,938
Outer regional	Male	3,255	977	801	612	1,025	784	813	798	837	678	507	353	206	246	8	.	11,901
	Female	2,929	1,038	1,125	1,029	2,085	1,732	1,455	1,360	1,150	807	565	299	163	180	8	.	15,926
Remote	Male	866	249	144	87	148	149	144	149	195	159	122	87	62	76	45	.	2,682
	Female	979	311	266	222	642	594	500	430	434	243	158	81	51	55	44	.	5,011
Very remote	Male	343	72	11	.	.	.	.	13	19	5	5	.	.	9	133	.	610
	Female	372	139	97	85	329	305	245	251	200	113	76	56	9	34	154	.	2,467
Total		38,805	13,436	14,935	13,460	26,402	21,647	21,669	21,069	19,295	14,092	9,784	5,976	3,707	4,572	396	229,247	

You can see here that the 'Diagnosed mental health issue' data item has been dragged to the left hand side of the first column. Once the mouse cursor is over the table, different sections will become highlighted blue to indicate where you can 'drop' that data item and a black arrow will indicate where it will be dropped. In this example, the data item has been dropped in the top row, so that it will form the columns of the table.

Age group		0-9			10-14			15-17			18-19			20-24			25-29			30-34				
Diagnosed mental health issue		Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know	Yes	
		Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count
Remoteness area	Sex																							
Major cities	Male	76	1,301	9,476	114	472	3,110	391	811	2,282	435	865	1,858	1,090	1,288	3,287	1,098	872	2,458	1,356	969	2,676	1,431	
	Female	40	1,230	9,185	73	531	3,061	691	1,119	3,133	826	1,145	2,832	1,718	2,161	6,128	1,343	1,659	5,528	1,434	1,518	5,523	1,440	
Inner regional	Male	47	446	4,048	55	188	1,328	222	354	1,041	211	319	829	362	388	1,338	350	273	979	368	257	1,033	395	
	Female	17	387	3,807	30	188	1,498	370	486	1,590	294	446	1,368	587	776	3,049	516	567	2,438	561	476	2,340	543	
Outer regional	Male	6	407	2,841	11	126	840	50	166	585	68	102	442	111	186	727	119	131	535	114	157	542	132	
	Female	7	350	2,572	12	136	890	93	235	797	79	220	730	193	400	1,492	165	322	1,245	176	256	1,023	155	
Remote	Male	1	102	764	1	22	225	5	14	126	8	12	67	17	23	108	15	22	113	16	26	102	25	
	Female	2	128	849	.	30	281	9	43	213	4	60	157	32	137	473	27	157	411	38	125	338	27	
Very remote	Male	2	56	285	.	21	50	.	3	9	.	.	.	.	.	.	.	.	.	.	.	.	.
	Female	.	73	299	.	26	113	2	8	88	2	15	68	8	79	242	16	71	218	8	65	172	17	
Total		199	4,480	34,127	297	1,741	11,398	1,833	3,239	9,863	1,925	3,182	8,352	4,120	5,438	16,845	3,649	4,073	13,926	4,071	3,850	13,748	4,164	

As you can see above, the new data item is now in the table.

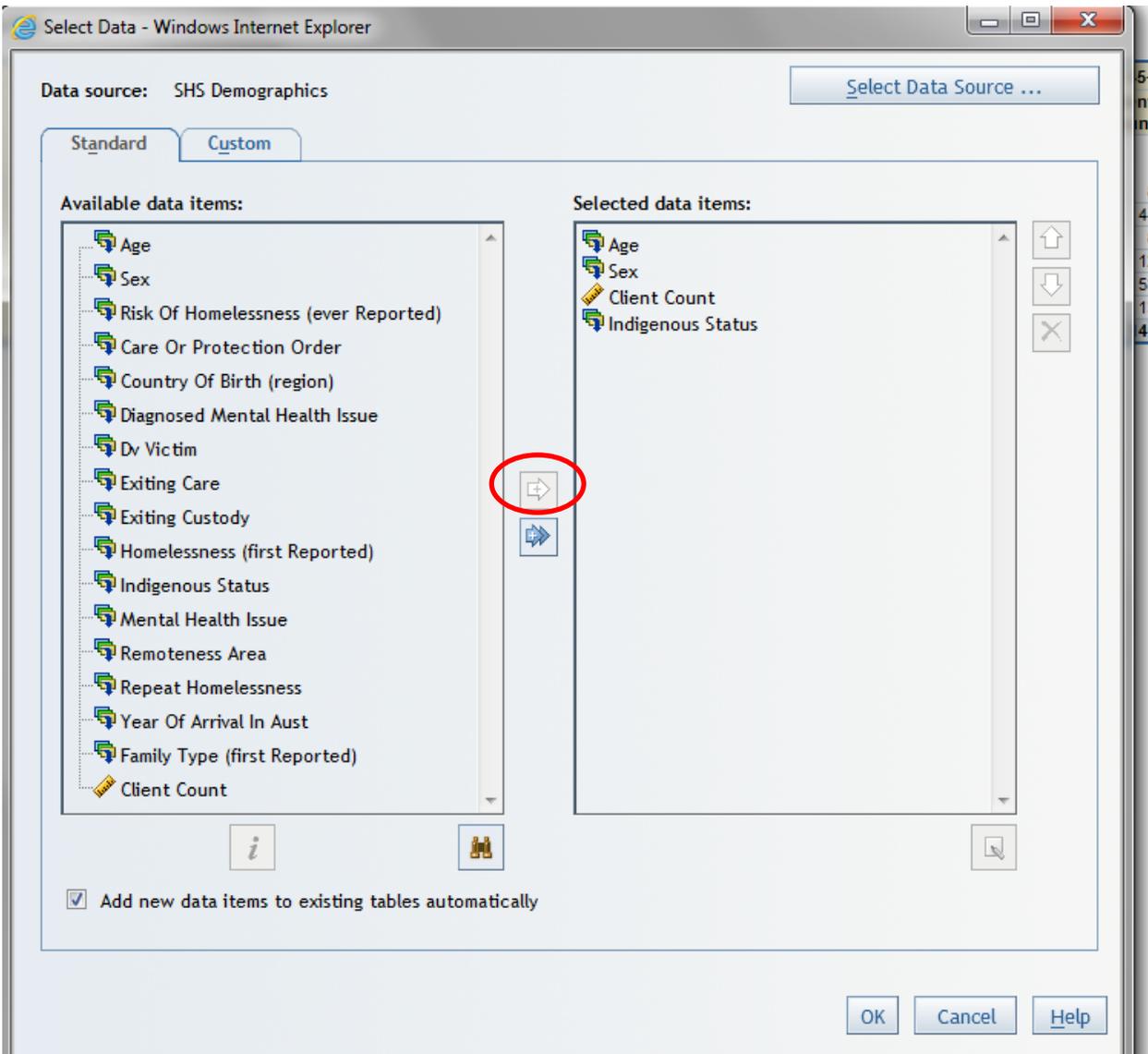
Using the 'drag and drop' system of creating a table is most beneficial when performing exploratory analyses where you wish to add and remove data items to see what the numbers look like. It is also beneficial for quickly changing the appearance of a table. Examples include, swapping the row and column data items, or quickly changing the level of data items.

Selecting the appropriate data items

To view all possible variables and add them to your list of data items click on the bottom 'Options' tab and click on 'Select Data'. Then click on the variable/s you would like in your table (to select more than one hold the Ctrl key down). Then click on the top arrow to move the variable from the Available data items list to the Selected data items list. Click OK and the table is produced.

Applied filters: None

Age group		0-9			10-14			15-19	
Diagnosed mental health issue		Yes	No	Don't know	Yes	No	Don't know	Yes	No
		Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count
Remoteness area	Sex								
	Male	76	1,301	9,476	114	472	3,110	391	8,111
Major cities	Female	40	1,230	9,185	73	531	3,061	691	1,111
	Male	47	446	4,048	55	188	1,328	222	3,811
Inner regional	Female	17	387	3,807	30	188	1,498	370	4,811
	Male	6	407	2,841	11	126	840	50	1,811
Outer regional	Female	7	350	2,572	12	136	890	93	2,311
	Male	1	102	764	1	22	225	5	1,111
Remote	Female	2	128	849	.	30	281	9	4,111
	Male	2	56	285	.	21	50	.	1,111
Very remote	Female	.	73	299	.	26	113	2	1,111
	Male	.	73	299	.	26	113	2	1,111
Total		199	4,480	34,127	297	1,741	11,398	1,833	3,211



File Edit View Data Edit View

Table of Contents Options
Section1

Section Data Options
SHS Demographics
Age
Sex
Client Count
Indigenous Status

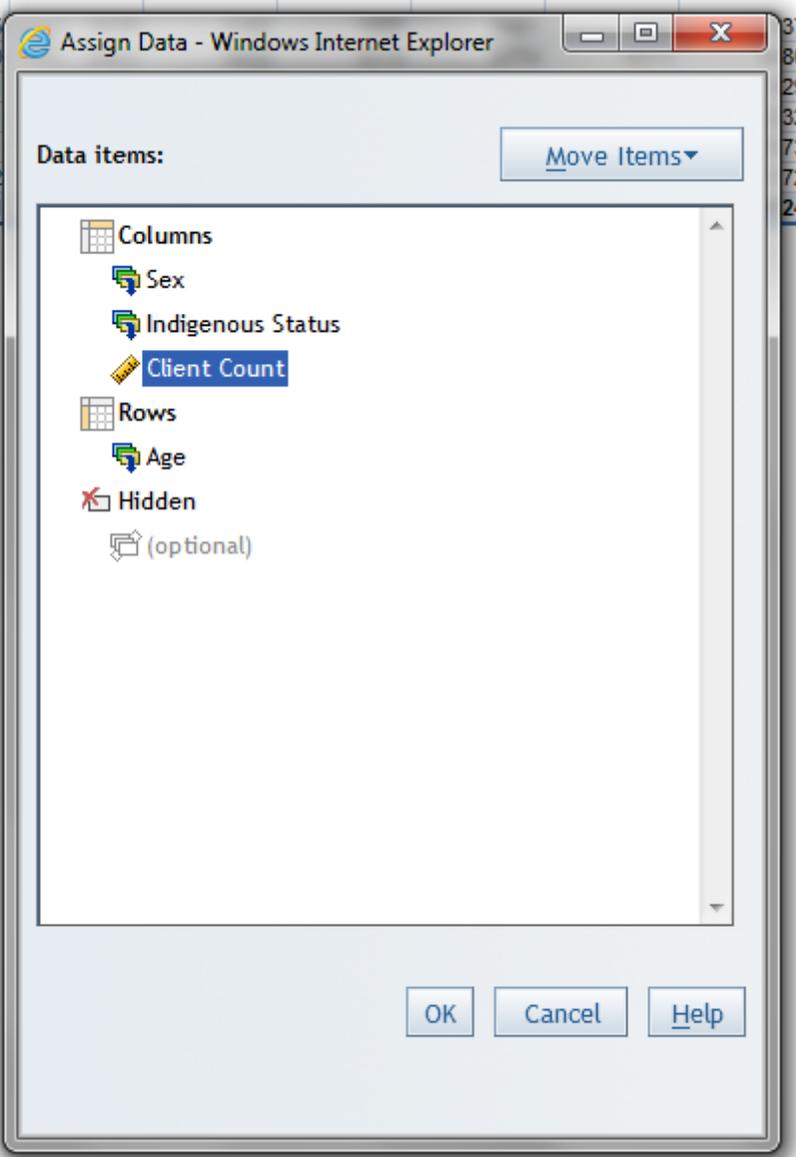
Applied filters: None

Age group		0-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	Total
		Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count
Sex	Indigenous status															
	Indigenous	5719	1588	1143	895	1419	1102	1085	1081	1085	837	537	313	139	130	17072
	Non-Indigenous	11744	4110	4045	3720	6403	4958	5510	5774	5573	4480	3354	2237	1440	1752	65101
	Not stated	2420	883	872	601	1122	922	1041	943	978	829	622	390	227	334	12185
Female	Indigenous	5451	1806	1785	1711	3879	2998	2575	2257	1830	1232	763	433	210	201	27130
	Non-Indigenous	11137	4137	5879	5511	11220	9426	9284	8997	7867	5373	3613	2096	1326	1639	87507
	Not stated	2385	951	1221	1022	2389	2263	2199	2048	1988	1372	935	546	412	520	20252
Total		38857	13475	14945	13461	26430	21669	21693	21100	19322	14124	9823	6016	3755	4577	229247

You then may wish to edit the table, for example, to rearrange the rows and columns or hide a variable. This can be done by right-clicking on a number cell in the table and selecting 'Assign Data' then dragging the variables to rows, columns or hidden as appropriate to your needs. If you have a specific table you wish to create, you may wish to try this alternative method of selecting data items, which allows you to move several data items in and out of the table in the one step.

0-9		10-14			15-17			18-19		
No	Don't know	Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know
Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count
1,301	9,476	114	472	3,110	391	811	2,282	435	865	1,145
1,230	9,185	73	531	3,061	691	1,119	3,133	826	1,145	1,145
446	4,048	55	188	1,328	222	354	1,041	211	319	319
387	3,807						486	1,590	294	446
407	2,807						166	585	68	102
350	2,500						235	797	79	220
102	700						14	126	8	12
128	800						43	213	4	60
56	200						3	9	.	.
73	200						8	88	2	15
4,480	34,100						239	9,863	1,925	3,182

Assign Data ...
Total ...
Percent of Total ...
Filter and Rank ...
Conditional Highlighting ...
Export Table ...
Rotate Table
Find ...
Data Source Details
Properties



Applied filters: None

Sex Indigenous status	Male			Female			Total Client Count
	Indigenous Client Count	Non-Indigenous Client Count	Not stated Client Count	Indigenous Client Count	Non-Indigenous Client Count	Not stated Client Count	
Age group							
+ 0-9	5719	11744	2420	5451	11137	2385	38857
+ 10-14	1588	4110	883	1806	4137	951	13475
+ 15-17	1143	4045	872	1785	5879	1221	14945
+ 18-19	895	3720	601	1711	5511	1022	13461
+ 20-24	1419	6403	1122	3879	11220	2389	26430
+ 25-29	1102	4958	922	2998	9426	2263	21669
+ 30-34	1085	5510	1041	2575	9284	2199	21693
+ 35-39	1081	5774	943	2257	8997	2048	21100
+ 40-44	1085	5573	978	1830	7867	1988	19322
+ 45-49	837	4480	829	1232	5373	1372	14124
+ 50-54	537	3354	622	763	3613	935	9823
+ 55-59	313	2237	390	433	2096	546	6016
+ 60-64	139	1440	227	210	1326	412	3755
+ 65+	130	1752	334	201	1639	520	4577
Total	17072	65101	12185	27130	87507	20252	229247

This table is now equivalent to S2.4 in the SHSC Annual Report 2011-12. You may then wish to drill down expand for age groups by pressing the plus and down arrow symbols in the age group category cells eg. by pressing the down arrow for 45-to 49 the table is expanded as below.

Sex		Male			Female			Total
Indigenous status		Indigenous	Non-Indigenous	Not stated	Indigenous	Non-Indigenous	Not stated	
		Client Count	Client Count	Client Count	Client Count	Client Count	Client Count	Client Count
Age group	Age							
+ ▾	0-9	5719	11744	2420	5451	11137	2385	38857
+ ▾	10-14	1588	4110	883	1806	4137	951	13475
+ ▾	15-17	1143	4045	872	1785	5879	1221	14945
+ ▾	18-19	895	3720	601	1711	5511	1022	13461
+ ▾	20-24	1419	6403	1122	3879	11220	2389	26430
+ ▾	25-29	1102	4958	922	2998	9426	2263	21669
+ ▾	30-34	1085	5510	1041	2575	9284	2199	21693
+ ▾	35-39	1081	5774	943	2257	8997	2048	21100
+ ▾	40-44	1085	5573	978	1830	7867	1988	19322
	45	203	1008	180	313	1258	323	3285
	46	183	937	183	235	1165	273	2976
+ ▾	45-49	177	910	165	261	1057	286	2855
	48	167	779	163	241	1023	244	2617
	49	107	847	138	182	871	246	2390
+ ▾	50-54	537	3354	622	763	3613	935	9823
+ ▾	55-59	313	2237	390	433	2096	546	6016
+ ▾	60-64	139	1440	227	210	1326	412	3755
+ ▾	65+	130	1752	334	201	1639	520	4577
Total		17072	65101	12185	27130	87507	20252	229247

Removing unnecessary categories

Once you have created this table, you may then also need to remove certain categories from the table, in this example, if we would like to go further and create totals and percentages, we might want to remove the 'not stated' responses from the table, so that we can get the percentage of 'valid' responses to these data items.

To do this, you need to right click on a cell in the table and select the 'Filter and rank' option.

Applied filters: none

Sex Indigenous status	Male			Female			Total Client Count
	Indigenous Client Count	Non-Indigenous Client Count	Not stated Client Count	Indigenous Client Count	Non-Indigenous Client Count	Not stated Client Count	
Age group							
+ 0-9	5719	11744	2420	5451	11137	2385	38857
+ 10-14	1588	4110	883	1806	4137	951	13475
+ 15-17	1143	4045	872	1785	5879	1221	14945
+ 18-19	895	3720	601	1711	5511	1022	13461
+ 20-24	1419	6403				0	2389
+ 25-29	1102	4958				6	2263
+ 30-34	1085	5510				4	2199
+ 35-39	1081	5774				7	2048
+ 40-44	1085	5576				7	1988
+ 45-49	837	4480				8	1372
+ 50-54	537	3354				3	935
+ 55-59	313	2237				6	546
+ 60-64	139	1440				6	412
+ 65+	130	1752				9	520
Total	17072	65101				7	20252

- Assign Data ...
- Total ...
- Percent of Total ...
- Filter and Rank ...**
- Member Properties ...
- Conditional Highlighting ...
- Export Table ...
- Rotate Table
- Find ...
- Data Source Details
- Properties

A menu will then appear that allows you to select the data items you wish to create a filter for. In our example if you wish to remove 'not stated' from the Indigenous status variable, select Indigenous, click on the 'filter' check item.

You will now have two extra windows appear, 'Available values' and 'Selected values'. Select all of the categories in the 'Available values' window that you would like to appear in the table (ie. Indigenous and Non-Indigenous) and click the single arrow to move them into the 'Selected values' window as below.

Female Total

Filter and Rank - Windows Internet Explorer

Category Filters Measure Filter or Rank

Categories:

- Sex
- Indigenous Status
- Age

Type:

- No filter (show all values)
- Filter

Available values:

Browse Search

- Indigenous
- Non-Indigenous
- Not stated

Selected values:

- Indigenous
- Non-Indigenous

OK Cancel Help

enous

ount

11744

4110

4045

3720

6403

4958

5510

5774

5573

4480

3354

2237

1440

1752

65101

Once you have clicked OK you will have a created the table below.

Applied filters: Indigenous Status equal to Indigenous, Non-Indigenous

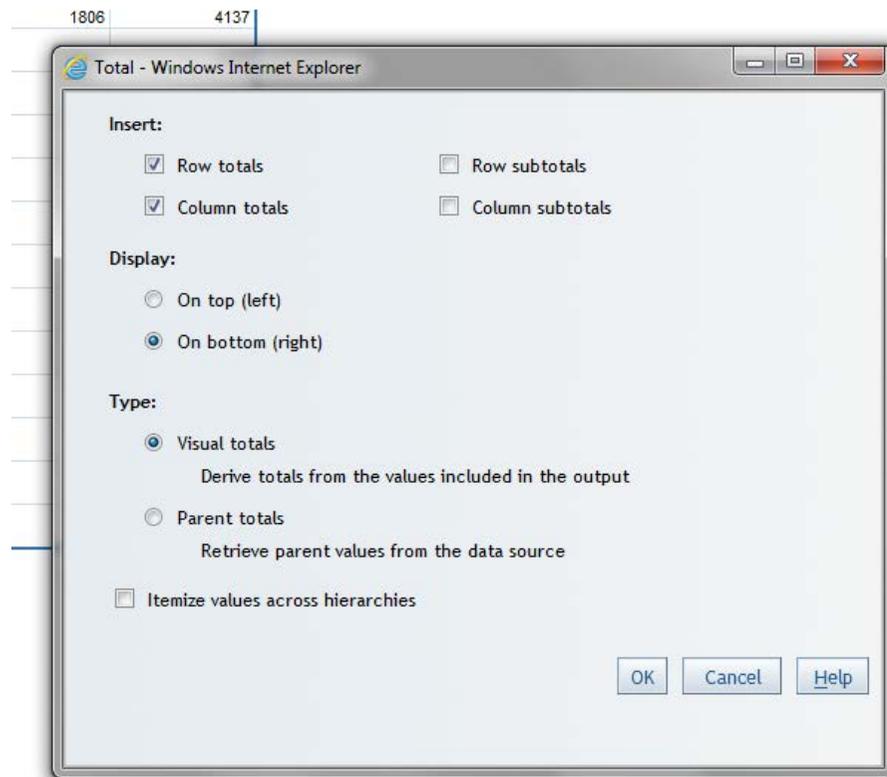
Sex	Male		Female		Total
	Indigenous status	Non-Indigenous	Indigenous	Non-Indigenous	
	Client Count	Client Count	Client Count	Client Count	Client Count
Age group					
+ - 0-9	5719	11744	5451	11137	34051
+ - 10-14	1588	4110	1806	4137	11641
+ - 15-17	1143	4045	1785	5879	12853
+ - 18-19	895	3720	1711	5511	11838
+ - 20-24	1419	6403	3879	11220	22920
+ - 25-29	1102	4958	2998	9426	18484
+ - 30-34	1085	5510	2575	9284	18453
+ - 35-39	1081	5774	2257	8997	18109
+ - 40-44	1085	5573	1830	7867	16355
+ - 45-49	837	4480	1232	5373	11923
+ - 50-54	537	3354	763	3613	8267
+ - 55-59	313	2237	433	2096	5079
+ - 60-64	139	1440	210	1326	3116
+ - 65+	130	1752	201	1639	3723
Total	17072	65101	27130	87507	196810

Now that you have your table with only valid responses to both data items you can create totals and percentages for the table.

Creating totals and percentages

If you need to add totals to a table right click on a data cell in the table and select the 'Total' option. In this menu you can choose the kind of total you would like, where it sits in the table and how the total is created – that is, from the data itself, or from the numbers within the table.

For most tables you will want to check the 'row' and 'column' options under the 'Insert' heading. Check the 'On bottom (right)' option under the 'Display' item. You can choose either option here, but the 'On bottom (right)' option will display the totals in the format that is followed in all AIHW publications (and most other statistical publications), so this is most likely to be easier to interpret and follow. Finally, it is recommended that you always check the option 'Visual total' under the 'Type' heading. Click 'Ok'.



The totals are placed at the bottom row of your table and a total column will also be present at the right hand side of your table. These will be shaded in a different colour to indicate they are totals as below.

Applied filters: Indigenous Status equal to Indigenous, Non-Indigenous

Sex		Male		Female		Total
Indigenous status		Indigenous	Non-Indigenous	Indigenous	Non-Indigenous	
Age group						
+ - 0-9	Client Count	5719	11744	5451	11137	34051
+ - 10-14	Client Count	1588	4110	1806	4137	11641
+ - 15-17	Client Count	1143	4045	1785	5879	12853
+ - 18-19	Client Count	895	3720	1711	5511	11838
+ - 20-24	Client Count	1419	6403	3879	11220	22920
+ - 25-29	Client Count	1102	4958	2998	9426	18484
+ - 30-34	Client Count	1085	5510	2575	9234	18453
+ - 35-39	Client Count	1081	5774	2257	8997	18109
+ - 40-44	Client Count	1085	5573	1830	7867	16355
+ - 45-49	Client Count	837	4480	1232	5373	11923
+ - 50-54	Client Count	537	3354	763	3613	8267
+ - 55-59	Client Count	313	2237	433	2096	5079
+ - 60-64	Client Count	139	1440	210	1326	3116
+ - 65+	Client Count	130	1752	201	1639	3723
Total	Client Count	17072	65101	27130	87507	196810

Now that you have totals in your table, we can create percentages. To do this, 'right click' a cell in the table and select the 'Per cent of total' option.

The following menu will appear.

Applied filters: None

Indigenous status	Indigenous		Non-Indigenous		Not stated		Total
	Male	Female	Male	Female	Male	Female	
Sex							
Age group							
+ 0-9	5,719	5,451	11,730	11,122	2,409	2,374	38,805
+ 10-14	1,588	1,806	4,105	4,130	872	935	13,436
+ 15-17	1,140	1,785	4,045	5,877	872	1,215	14,935
+ 18-19	894	1,711	3,720	5,511	601	1,022	13,460
+ 20-24	1,411						
+ 25-29	1,097						
+ 30-34	1,079						
Client + 35-39	1,072						
Count + 40-44	1,078						
+ 45-49	828						
+ 50-54	531						
+ 55-59	307						
+ 60-64	131						
+ 65+	130						
+ n.p.	67						
Total	17,072						

Percent of Total - Windows Internet Explorer

For measure: Client Count

Show percent of: Column Total

Label:

Add Remove

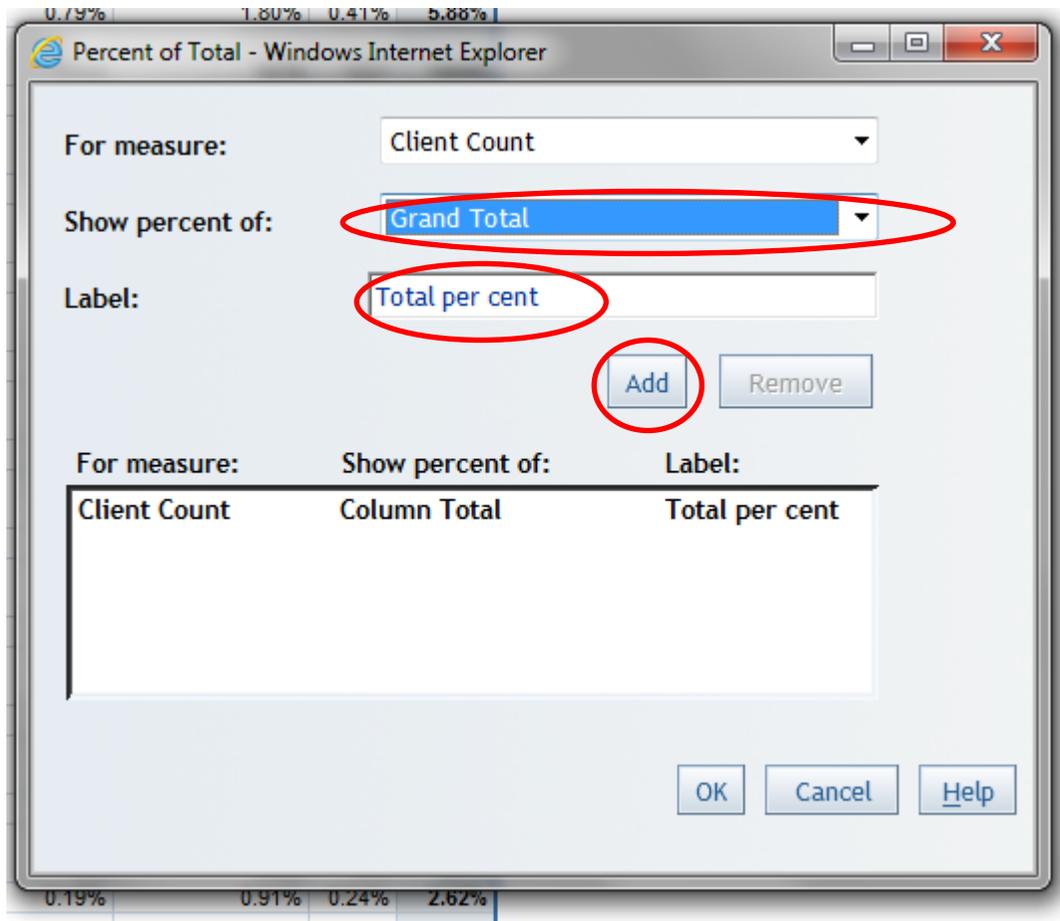
For measure: Show percent of: Label:

OK Cancel Help

From the 'Show percent of:' drop down box, choose the percentage you wish to calculate. In this example we can create either a column, row or grand total percentage, or all three. To keep things simple, we will create a grand total, which will give us a percentage based on the total number of clients who provided a response to both of the data items in the table.

Important, note that if you create more than one percentage in your table you will have to have a different label for each percentage, otherwise you will get an error and have to start your table again. If you are calculating multiple percentages, it is ideal to have as descriptive a label as possible.

Once you have selected the appropriate percentage and given it a label, click on 'Add' and it will now appear in the window below.



Once you have created all the percentages you wish to calculate, click on ok and your percentages will appear in the table.

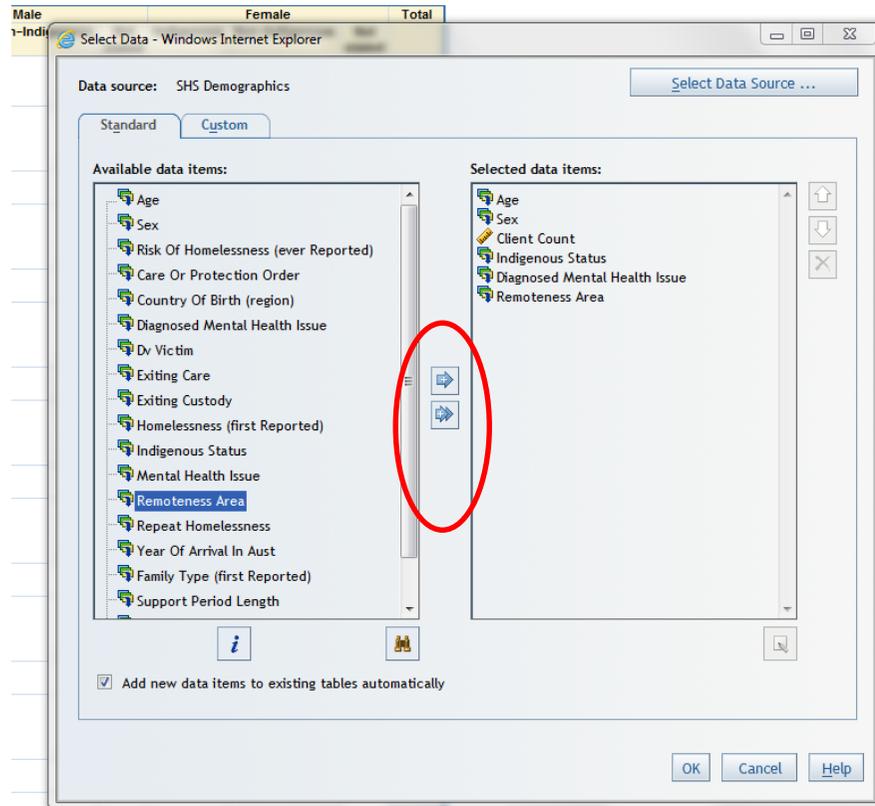
Applied filters: Indigenous Status equal to Indigenous, Non-Indigenous

Sex		Male		Female		Total
Indigenous status		Indigenous	Non-Indigenous	Indigenous	Non-Indigenous	
Age group						
0-9	Client Count	5719	11744	5451	11137	34051
	Total per cent	33.50%	18.04%	20.09%	12.73%	17.30%
10-14	Client Count	1588	4110	1806	4137	11641
	Total per cent	9.30%	6.31%	6.66%	4.73%	5.91%
15-17	Client Count	1143	4045	1785	5879	12853
	Total per cent	6.69%	6.21%	6.58%	6.72%	6.53%
18-19	Client Count	895	3720	1711	5511	11838
	Total per cent	5.24%	5.71%	6.31%	6.30%	6.01%
20-24	Client Count	1419	6403	3879	11220	22920
	Total per cent	8.31%	9.83%	14.30%	12.82%	11.65%
25-29	Client Count	1102	4958	2998	9426	18484
	Total per cent	6.45%	7.62%	11.05%	10.77%	9.39%
30-34	Client Count	1085	5510	2575	9284	18453
	Total per cent	6.35%	8.46%	9.49%	10.61%	9.38%
35-39	Client Count	1081	5774	2257	8997	18109
	Total per cent	6.33%	8.87%	8.32%	10.28%	9.20%
40-44	Client Count	1085	5573	1830	7867	16355
	Total per cent	6.35%	8.56%	6.75%	8.99%	8.31%
45-49	Client Count	837	4480	1232	5373	11923
	Total					

Adding more variables

You may wish to find some more detail about these clients by adding further variables. For example, you may wish to know about clients remoteness and if they have a diagnosed mental health issue.

Click on the Options button and then choose Select Data. You will then be presented with the menu screen as below. Click on the variable you wish to add and use the arrow key in the middle to move them across from the available data items box to the selected data items box.



2.52%	0.41%	0.98%	3.92%	0.89%	9.20%
5573	978	1830	7867	1988	19322

The table will then look like this.

Applied filters: None

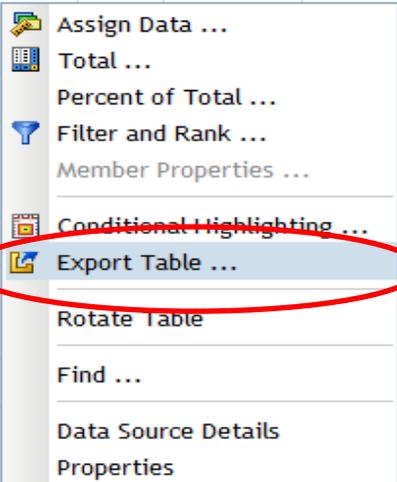
			Sex	Male			Female			Total	
			Indigenous status	Indigenous	Non-Indigenous	Not stated	Indigenous	Non-Indigenous	Not stated		
Age group	Diagnosed mental health issue	Remoteness area									
0-9	Yes	Major cities	Client Count	14	57	5	4	32	3	116	
			per cent of total	0.01%	0.02%	0.00%	0.00%	0.01%	0.00%	0.05%	
		Inner regional	Client Count	11	34	2	2	15	.	64	
			per cent of total	0.00%	0.01%	0.00%	0.00%	0.01%	.	0.03%	
		Outer regional	Client Count	1	5	.	2	4	.	13	
			per cent of total	0.00%	0.00%	.	0.00%	0.00%	.	0.01%	
		Remote	Client Count	1	.	.	2	.	.	3	
			per cent of total	0.00%	.	.	0.00%	.	.	0.00%	
		Very remote	Client Count	2	.	.	.	.	.	2
			per cent of total	0.00%	.	.	.	.	.	0.00%
		No	Major cities	Client Count	200	1035	66	199	952	79	2530
			per cent of total	0.09%	0.45%	0.03%	0.09%	0.42%	0.03%	1.10%	
Inner regional	Client Count		162	266	19	106	259	22	833		
		per cent of total	0.07%	0.12%	0.01%	0.05%	0.11%	0.01%	0.36%		
	Outer regional	Client Count	238	155	15	204	128	18	757		
		per cent of total	0.10%	0.07%	0.01%	0.09%	0.06%	0.01%	0.33%		
		Client									

Exporting your data to excel

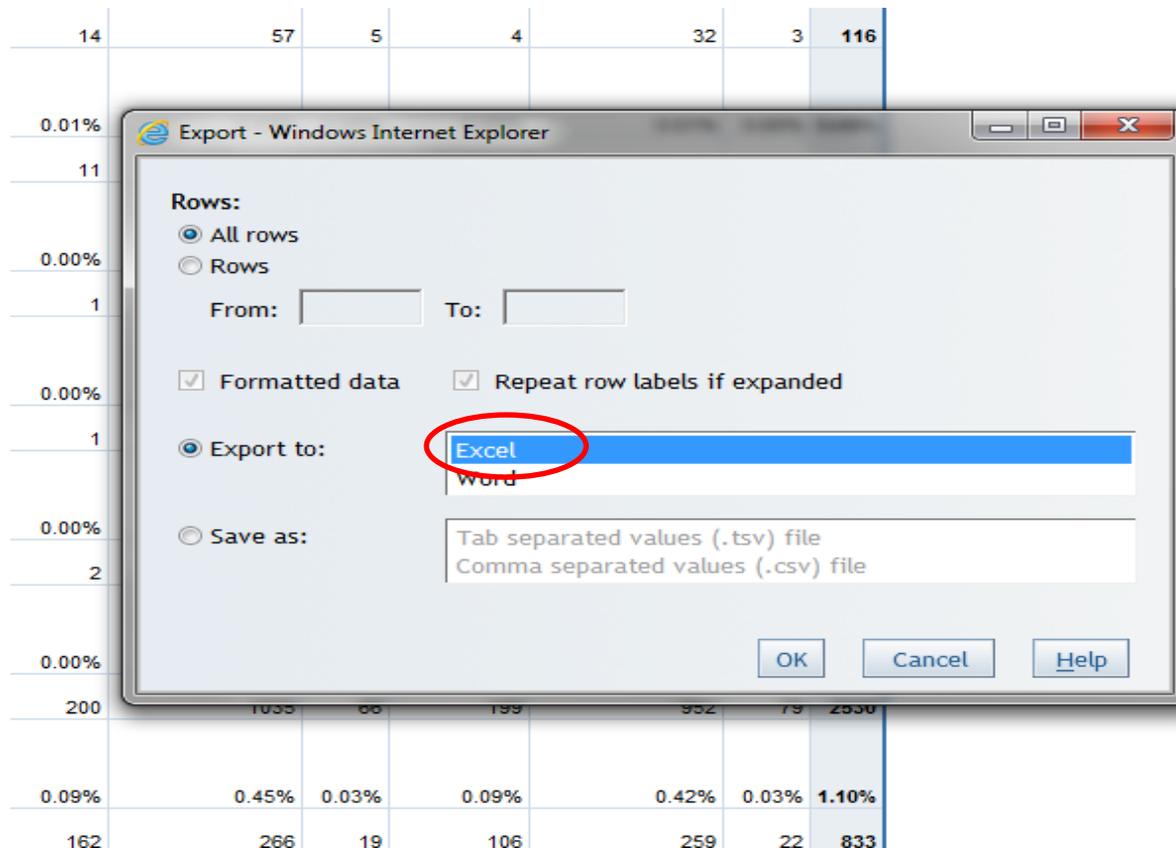
Now that you have a table, you may wish to perform more actions on it that are more easily performed in Excel, or not possible in the SAS Cube environment. For example, you may wish to combine categories; or, subset categories and create your own sub-totals and percentages. Alternatively, you may wish to create one or several graphs based on the data that you have created.

To export data from the SAS cube environment, 'right click' on number cell and select the 'export table' option.

Inner regional	per cent of total	0.00%	0.01%	0.00%	0.00%	0.01%	0.03%	
Outer regional	Client Count	1	5	.	2	4	13	
	per cent of total	0.00%	0.00%	.	0.00%	0.00%	0.01%	
Remote	Client Count	1	.	.	2	.	3	
	per cent of total	0.00%	.	.	.	.	0.00%
Very remote	Client Count	2	.	.	.	.	2
	per cent of total	0.00%	.	.	.	.	0.00%
Major cities	Client Count	200	.	.	952	79	2530	
	per cent of total	0.09%	.	.	0.42%	0.03%	1.10%	
Inner regional	Client Count	162	.	.	259	22	833	
	per cent of total	0.07%	0.12%	0.01%	0.05%	0.11%	0.01%	
Outer regional	Client Count	238	155	15	204	128	18	757
	per cent of total	0.10%	0.07%	0.01%	0.08%	0.05%	0.01%	0.23%

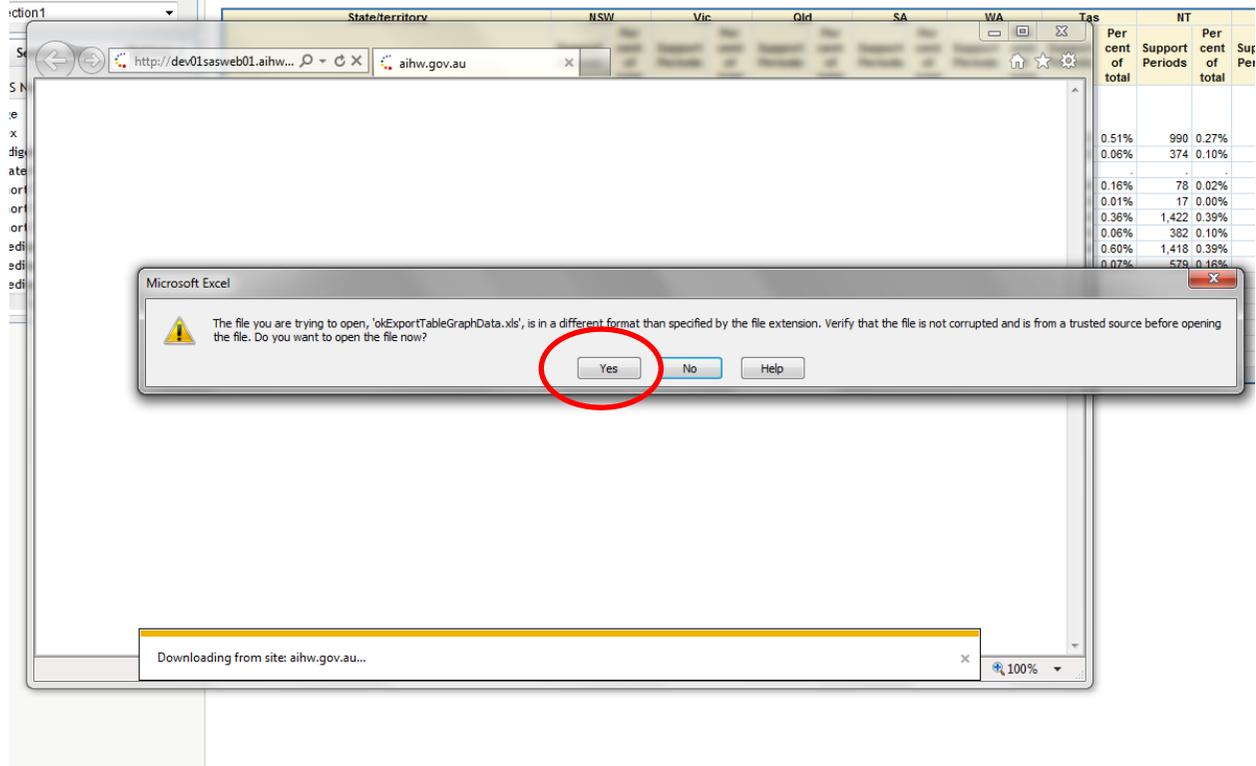


The 'Export' window should then open. Make sure the 'Export to' option is checked and 'Excel' is selected. Alternatively, if you wish to export the table to Word, select the 'Word' option.



Click the 'Ok' button and the following window will appear. You can open the file directly, or save it to your computer first. It is recommended if saving the file that you choose 'Save as' and save the file in an appropriate location, otherwise the file will be saved in a temporary download folder that you may not know the location of and may prove difficult to find.

When opening the file, you may get the following pop-up warning



Click on 'Yes' to open the file and you will have access to the table in the Excel format.