



GCRO 2009 QoL Survey Viewer

User Manual

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Data Usage

The data should be used for statistical and scientific research purposes only. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the GCRO QoL viewer must cite the source of data in accordance with the citation statement: Gauteng City-Region Observatory (2009). GCRO 2009 Quality of Life Survey viewer.

GCRO and its partners bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Please note that not all the variables are available in the QOL viewer, e.g. the multi mention questions are not included in the QoL viewer. The full dataset (in SPSS format) is available on request from the GCRO for research/non-financial gain purposes (info@gcro.ac.za).

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1. Getting Started

1.1. Introduction

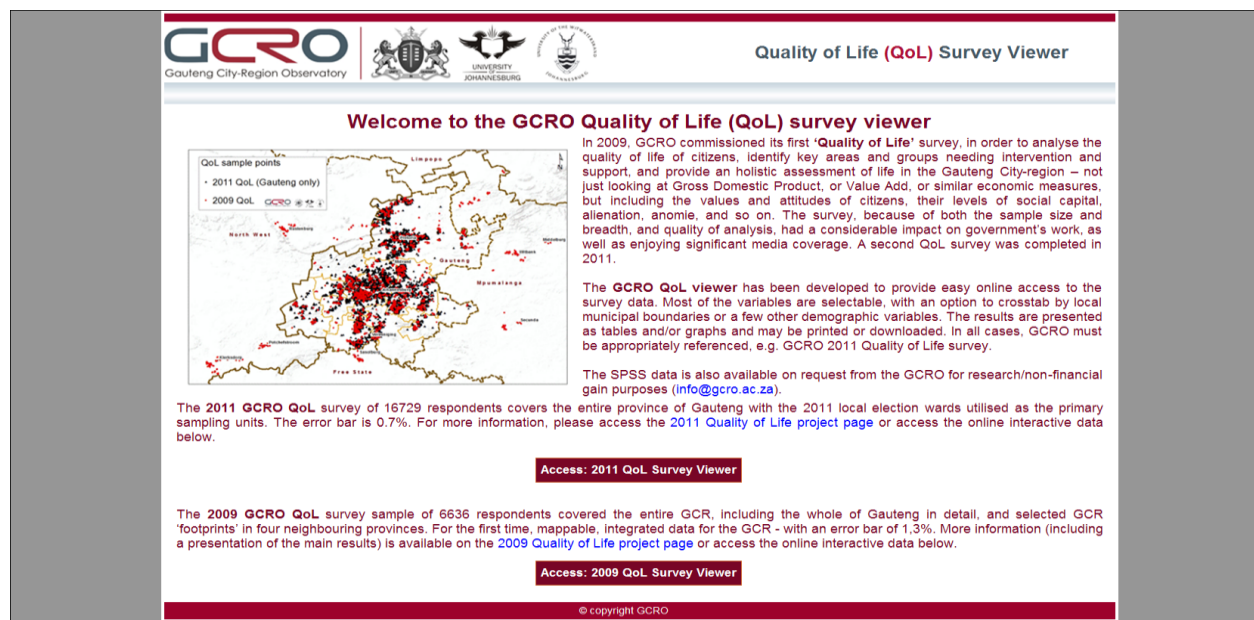
This document is intended to assist with the usage of the GCRO Quality of Life survey viewer and more specifically, explain how to perform the following tasks:

- Access GCRO survey data
- Create single indicator reports
- Create multiple variable reports
- Print reports
- Export reports
- Read graphs

Please note: all variables (such as the multi mention questions) are available in the QoL viewer. The full dataset (in SPSS format) also available on request from the GCRO for research/non-financial gain purposes (info@gcro.ac.za).

1.2. Home Page

After entering the application URL in your web browser, the home page will be displayed as shown in the image below:

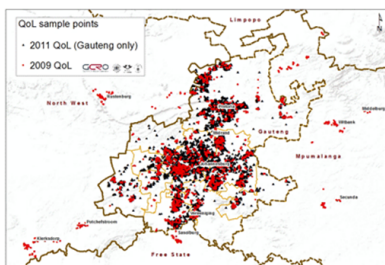


The home page provides general information about the surveys conducted by the Gauteng City-Region Observatory. From the home page, you may also choose a set of survey data to view/query.

1.3. Choose Survey Data

From the home page, select the survey data that you would like to query by clicking on the corresponding button of the survey as shown below:

Welcome to the GCRO Quality of Life (QoL) survey viewer



In 2009, GCRO commissioned its first 'Quality of Life' survey, in order to analyse the quality of life of citizens, identify key areas and groups needing intervention and support, and provide an holistic assessment of life in the Gauteng City-region – not just looking at Gross Domestic Product, or Value Add, or similar economic measures, but including the values and attitudes of citizens, their levels of social capital, alienation, anomie, and so on. The survey, because of both the sample size and breadth, and quality of analysis, had a considerable impact on government's work, as well as enjoying significant media coverage. A second QoL survey was completed in 2011.

The **GCRO QoL viewer** has been developed to provide easy online access to the survey data. Most of the variables are selectable, with an option to crosstab by local municipal boundaries or a few other demographic variables. The results are presented as tables and/or graphs and may be printed or downloaded. In all cases, GCRO must be appropriately referenced, e.g. GCRO 2011 Quality of Life survey.

The SPSS data is also available on request from the GCRO for research/non-financial gain purposes (info@gcro.ac.za).

The **2011 GCRO QoL** survey of 16729 respondents covers the entire province of Gauteng with the 2011 local election wards utilised as the primary sampling units. The error bar is 0.7%. For more information, please access the [2011 Quality of Life project page](#) or access the online interactive data below.

Access: 2011 QoL Survey Viewer

The **2009 GCRO QoL** survey sample of 6636 respondents covered the entire GCR, including the whole of Gauteng in detail, and selected GCR 'footprints' in four neighbouring provinces. For the first time, mappable, integrated data for the GCR - with an error bar of 1.3%. More information (including a presentation of the main results) is available on the [2009 Quality of Life project page](#) or access the online interactive data below.

Access: 2009 QoL Survey Viewer

Survey buttons

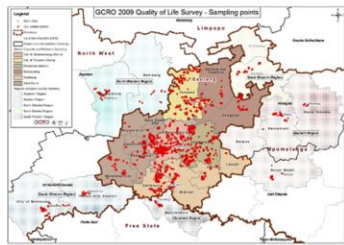
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After selecting a survey, the screen below will be displayed:

GCRO Gauteng City-Region Observatory

2009 Quality of Life (QoL) Survey Viewer

2009 QoL Survey Viewer



The first GCRO QoL survey was completed during 2009 with a total sample of 6636 interviews across the Gauteng province and selected economic footprints in the neighbouring provinces of North West, Free State and Mpumalanga. The survey measures a wide range of issues such as levels of satisfaction with government services, poverty, socio-economic status, commuter movement within the GCR and quality of life. In addition questions on the 'headspace' of respondents enable values and attitudes to be mapped and analysed on top of socio-economic variables. With a sample large enough to allow analysis both within and across municipalities, for the first time a comparison across the entire GCR is possible, including the economic footprints outside of Gauteng.

The fieldwork was completed by Data Research Africa (DRA) in August and September of 2009. The 2009 version of local electoral wards used as the primary sampling unit, with 6636 respondents interviewed across 569 wards. The final dataset was delivered in December 2009 following an intensive verification process during November 2009 where fieldwork coordinate capture issues were checked and corrected using GIS – a first for both GCRO and for the fieldwork agency Data Research Africa (DRA). Weights were applied at a municipal level within Gauteng (using Census 2001 population data per local/metropolitan municipality), and per total ward population for the sampled regions outside Gauteng.

In these outlying regions, the sizes of the sampled wards in municipalities such as Metsimaholo, Madibeng etc., do not reflect the whole municipalities, but only those wards that were included in the study area were used for weighting purposes. The final dataset has an error bar of 1.3%. More information (including a presentation of the main results) is available on the [2009 Quality of Life project page](#).

To view, graph, download and print single variables (with the option to cross tab by the old 2006 local municipal boundaries and regions in the neighboring provinces), click on the **single query** button below or view the [tutorial/help file](#).

Single

To view, download or print variables (no graphs are available) cross tabbed by selecting from a limited list of demographic variables, click on the **multiple query** button below or view the [tutorial/help file](#).

Multiple

The data should be used for statistical and scientific research purposes only. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the GCRO QoL viewer must cite the source of data in accordance with the citation statement: Gauteng City-Region Observatory (2009), GCRO 2011 Quality of Life Survey viewer.

GCRO and its partners bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

[Back to home page](#) [Help Recoded variables Questionnaire](#)

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2. Querying Data

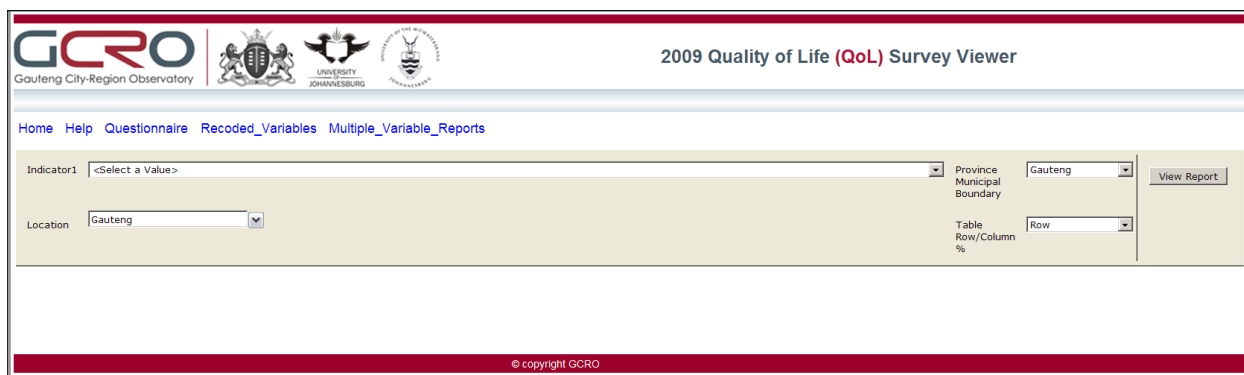
The **GCRO QoL Viewer** has been developed to provide easy online access to the survey data. Most of the variables are selectable, with an option to crosstab by boundaries (provincial, municipal, regional) or a few other demographic variables. The results are presented as tables and/or graphs and may be printed or downloaded.

NB. Due to the volume of data, query results could take a few minutes to be displayed.

2.1. Single

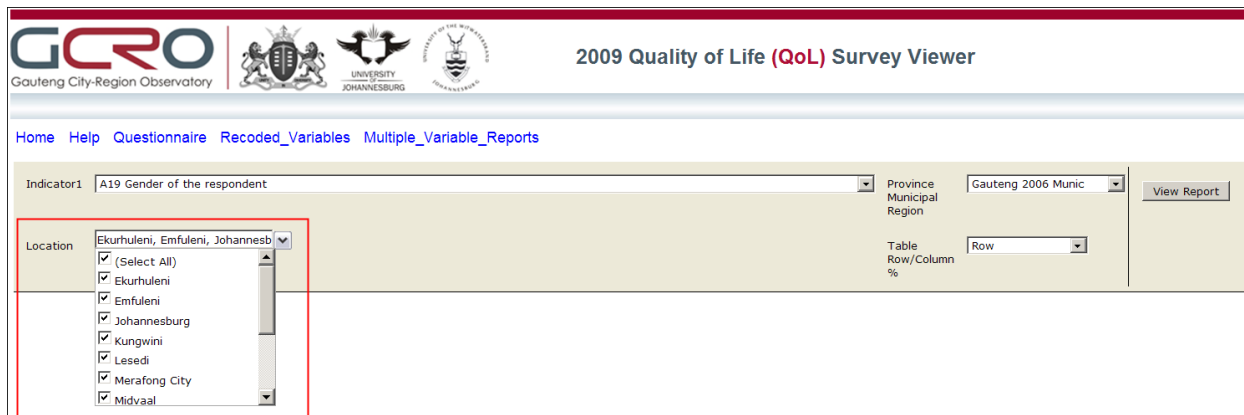
If the “single” option is selected, you may choose one indicator and will have the option to crosstab this by local municipal boundaries. Follow the steps below to create single indicator reports:

1. Click the single (**Single**) button from the 2009 QoL survey viewer home page
2. The screen below will be displayed:



3. The following menu buttons are available at the top of the screen:
 - a. [Home](#) – Takes user to the 2009 survey viewer home page
 - b. [Help](#) – Downloads the 2009 survey viewer help file
 - c. [Questionnaire](#) – Downloads the GCRO questionnaire
 - d. [Recoded_Variables](#) – Downloads the document containing 2009 data that has been recoded
 - e. [Multiple_Variable_Reports](#) – Takes user to the multiple variable report screen
4. Select an indicator from the “Indicator1” drop down list. This drop down list includes all fields on the survey form. Select the data you want to view by clicking the relevant field. Values of “Indicator1” will make up the columns of the report
5. Select a province municipal boundary. Currently, you can select the Gauteng province, municipality or regional boundaries

- Select a location. The list that is populated for this field is dependent on the province municipal boundary option that was selected. To select a location, click the location drop down, scroll through the list to ensure that the preferred locations are selected as shown in the image below:



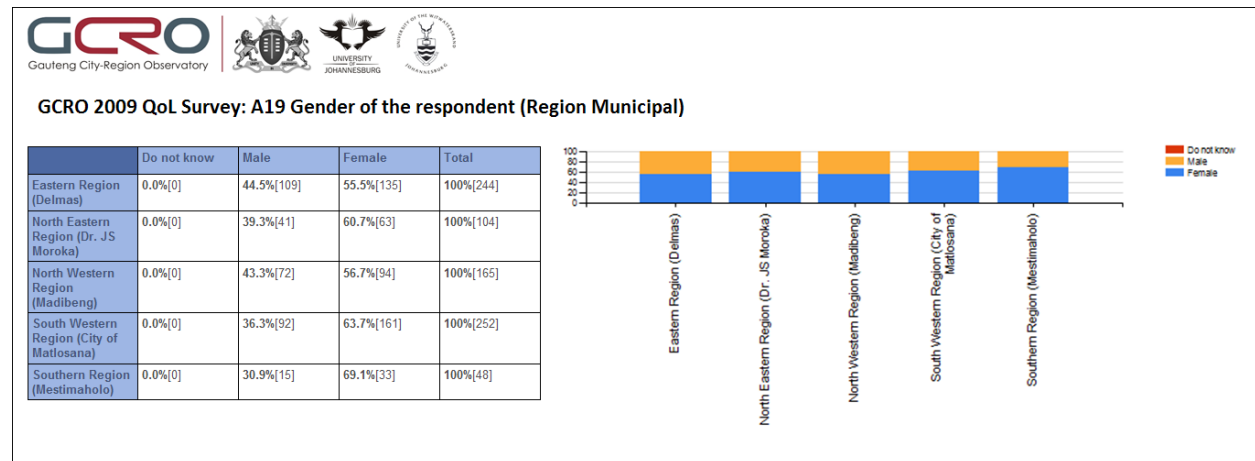
- Select table row/column% - You can select the totals to be based on either “row” or “column” data. **Please note:** The column % graphs should ideally only be selected when using municipality or region boundaries (and not the Gauteng province) and column % table and results should only be used in the appropriate context
- Click the view report button ([View Report](#))
- Report will be displayed depending on your selected criteria

Example 1:

You want to see the male/female percentage for each individual location using the region boundaries. Select the following criteria:

Parameter	Selected Option
Indicator1	A19 Gender of the respondent
Province Municipal Boundary	Region
Location	Select all
Table Row/Column %	Row

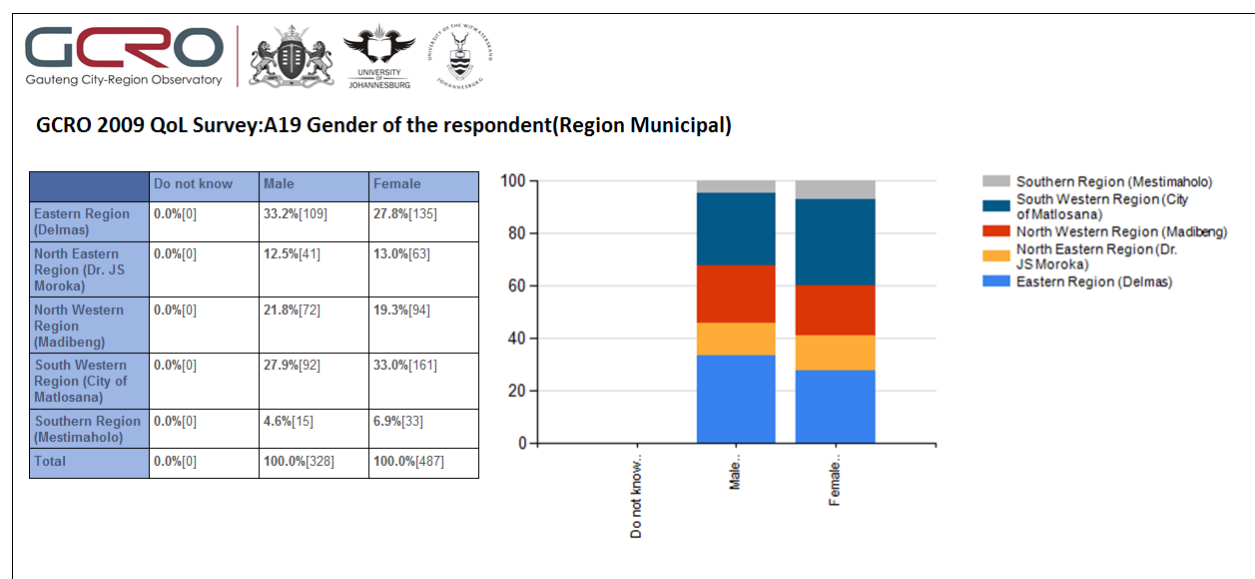
The report with a corresponding graph (graphs are only available for single indicator reports) will be displayed as shown below:

**Example 2:**

You want to see how the male population is spread out across the different locations. From the total male population, you want to see the number of males per location. You will be able to see the same for females as well. Select the following criteria:

Parameter	Selected Option
Indicator1	A19 Gender of the respondent
Province Municipal Boundary	Region
Location	Select all
Table Row/Column %	Column

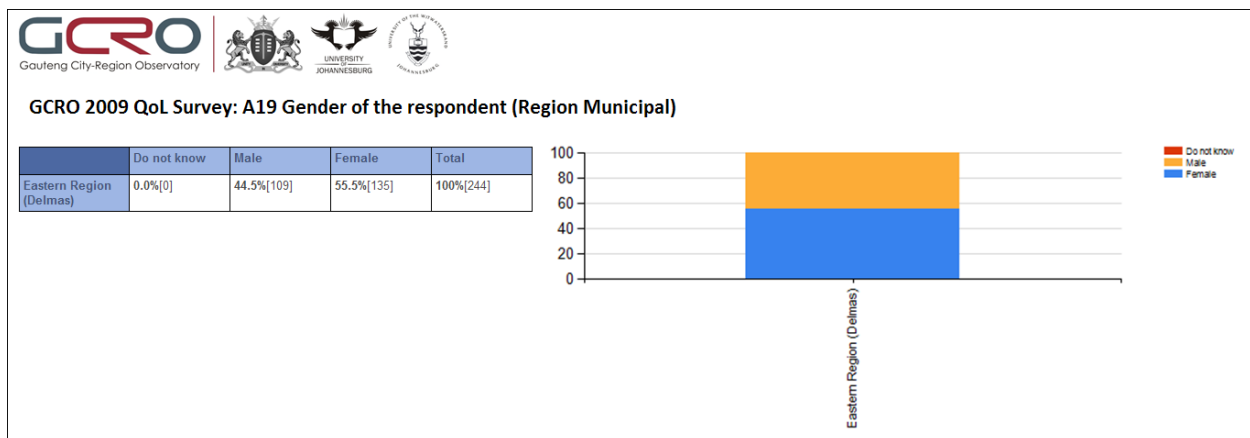
The report with a corresponding graph (graphs are only available for single indicator reports) will be displayed as shown below:

**Example 3:**

You want to see the percentage of each population group in the Eastern Region (Delmas). Select the following criteria:

Parameter	Selected Option
Indicator1	A19 Gender of the respondent
Province Municipal Boundary	Region
Location	Eastern Region (Delmas)
Table Row/Column %	Row

The report with a corresponding graph (graphs are only available for single indicator reports) will be displayed as shown below:



2.2. Multiple

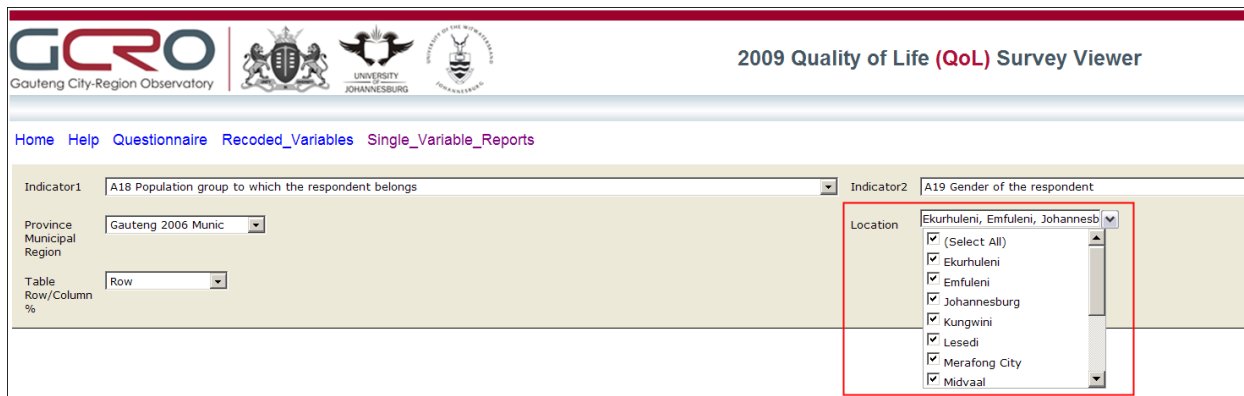
If the “multiple” option is selected, you may choose two indicators. A crosstab report will be created based on the two indicators selected. Follow the steps below to create cross-tabbed reports:

1. Click the multiple (**Multiple**) button from the 2009 QoL survey viewer home page or multiple variable reports
2. The screen below will be displayed:

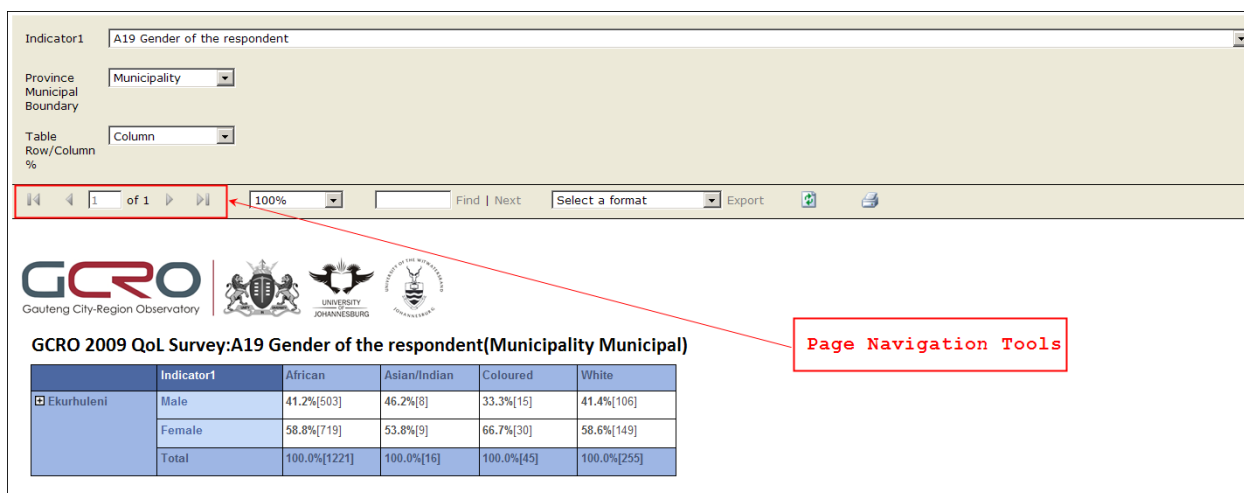


3. Select an indicator from the “Indicator1” drop down list. This drop down list includes all fields on the survey form. Select the data you want to view by clicking the relevant field. Values of “Indicator1” will make up the rows of the report
4. Select an indicator from the “Indicator2” drop down list. This drop down list includes a limited list of demographic variables from the survey form. Select the variable to crosstab against the value selected from “Indicator1”. Values of “Indicator2” will make up the columns of the report
5. Select a province municipal boundary. Currently, you can select the Gauteng province, municipality or regional boundaries

- Select a location. The list that is populated for this field is dependent on the province municipal boundary option that was selected. To select a location, click the location drop down, scroll through the list to ensure that the preferred locations are selected as shown in the image below:



- Select table row/column% - You can select the table percentages and graphs to be based on either “row” or “column” data. Please note: the column % table and results should only be used in the appropriate context
- Click the view report button ([View Report](#))
- Report will be displayed depending on your selected criteria. Please note: sometimes results may be displayed over more than page. To view all data, navigate to the next page of results using the survey viewer page navigation tools shown below:



GCRO 2009 QoL Survey: A19 Gender of the respondent (Municipality Municipal)

	Indicator1	African	Asian/Indian	Coloured	White
<input checked="" type="checkbox"/> Ekurhuleni	Male	41.2%[503]	46.2%[8]	33.3%[15]	41.4%[106]
	Female	58.8%[719]	53.8%[9]	66.7%[30]	58.6%[149]
	Total	100.0%[1221]	100.0%[16]	100.0%[45]	100.0%[255]





Example 1:

You want to see the male/female percentage for each population group in Ekurhuleni using the municipality boundaries. Select the following criteria:

Parameter	Selected Option
Indicator1	A19 Gender of the respondent

Indicator2	A18 Population group to which the respondent belongs
Province Municipal Boundary	Municipality
Location	Ekurhuleni
Table Row/Column %	Column

The report without a graph (graphs are only available for single indicator reports) will be displayed as shown below:





   					
GCRO 2009 QoL Survey:A19 Gender of the respondent(Municipality Municipal)					
	Indicator1	African	Asian/Indian	Coloured	White
✚ Ekurhuleni	Male	41.2%[503]	46.2%[8]	33.3%[15]	41.4%[106]
	Female	58.8%[719]	53.8%[9]	66.7%[30]	58.6%[149]
	Total	100.0%[1221]	100.0%[16]	100.0%[45]	100.0%[255]

Example 2:

From the population of Ekurhuleni and Johannesburg, you want to see the male/female percentage that has reached a specific level of education. Select the following criteria:

Parameter	Selected Option
Indicator1	A19 Gender of the respondent
Indicator2	Education level (recoded)
Province Municipal Boundary	Municipality
Location	Ekurhuleni, Johannesburg
Table Row/Column %	Column

The report without a graph (graphs are only available for single indicator reports) will be displayed as shown below:



   					
GCRO 2009 QoL Survey:A19 Gender of the respondent(Municipality Municipal)					
	Indicator1	None/unknown	Primary	Secondary	Tertiary
+ Ekurhuleni	Male	28.3%[16]	39.6%[72]	41.0%[447]	45.8%[95]
	Female	71.7%[41]	60.4%[109]	59.0%[643]	54.2%[113]
	Total	100.0%[58]	100.0%[181]	100.0%[1090]	100.0%[209]
+ Johannesburg	Male	30.6%[14]	32.1%[77]	41.3%[537]	51.3%[211]
	Female	69.4%[33]	67.9%[164]	58.7%[763]	48.7%[200]
	Total	100.0%[47]	100.0%[241]	100.0%[1299]	100.0%[411]

Example 3:

You want to see the employment status percentage of all males in Ekurhuleni, and the employment status percentage of all females in Ekurhuleni. Select the following criteria:

Parameter	Selected Option
Indicator1	A19 Gender of the respondent
Indicator2	Q12.3 Respondent's employment status
Province Municipal Boundary	Municipality
Location	Ekurhuleni
Table Row/Column %	Row

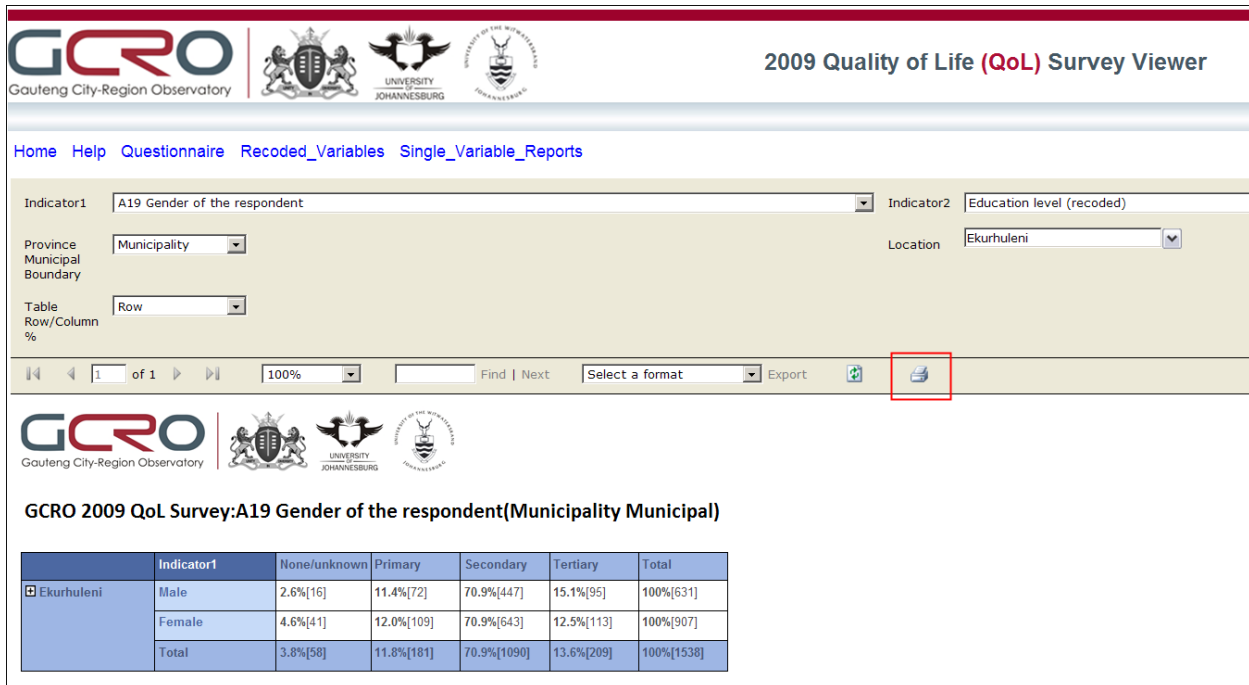
The report without a graph (graphs are only available for single indicator reports) will be displayed as shown below:

 															
GCRO 2009 QoL Survey:A19 Gender of the respondent(Municipality Municipal)															
	Indicator1	Employed full time, formal sector	Employed part time, formal sector	Employed full time, informal sector	Employed part time, informal sector	Self employed, own business, NOT working from home	Self employed, own business, working from home	Unemployed and looking for work	Unemployed, not looking for work, but would accept work	Not wishing to work	Disabled	Housewife/home-maker	School pupil/Full-time student	Retired person/pensioner	Total
Ekurhuleni	Male	23.5%(148)	4.4%(28)	5.6%(35)	6.0%(38)	5.4%(34)	5.8%(36)	29.5%(186)	1.2%(8)	0.2%(1)	1.0%(6)	0.2%(1)	6.4%(40)	11.0%(69)	100%(631)
	Female	16.4%(148)	2.6%(24)	3.6%(33)	2.8%(25)	1.0%(9)	2.9%(26)	39.3%(356)	2.9%(26)	1.4%(13)	2.2%(20)	6.1%(55)	4.2%(38)	14.7%(133)	100%(906)
	Total	19.3%(296)	3.4%(52)	4.4%(68)	4.1%(63)	2.8%(43)	4.1%(63)	35.2%(541)	2.2%(34)	0.9%(14)	1.7%(26)	3.7%(57)	5.1%(78)	13.2%(202)	100%(1536)

2.3. Print

Query results/reports can be printed. After generating a query, follow the steps below to print results:

1. View query results
2. Click the print icon as shown below:



The screenshot shows the GCRO 2009 Quality of Life (QoL) Survey Viewer interface. The top navigation bar includes links for Home, Help, Questionnaire, Recoded_Variables, and Single_Variable_Reports. The main area contains filters for Indicator1 (A19 Gender of the respondent), Indicator2 (Education level (recoded)), Province (Municipality), Location (Ekurhuleni), and Table (Row). Below the filters is a toolbar with navigation icons, a search bar, and a print icon (a printer icon) which is highlighted with a red rectangle. The bottom section displays the query results for 'A19 Gender of the respondent' for the 'Municipality Municipal' location, showing a table with percentages and counts for Male, Female, and Total across different education levels.

	Indicator1	None/unknown	Primary	Secondary	Tertiary	Total
Ekurhuleni	Male	2.6%[16]	11.4%[72]	70.9%[447]	15.1%[95]	100%[631]
	Female	4.6%[41]	12.0%[109]	70.9%[543]	12.5%[113]	100%[907]
	Total	3.8%[58]	11.8%[181]	70.9%[1090]	13.6%[209]	100%[1538]

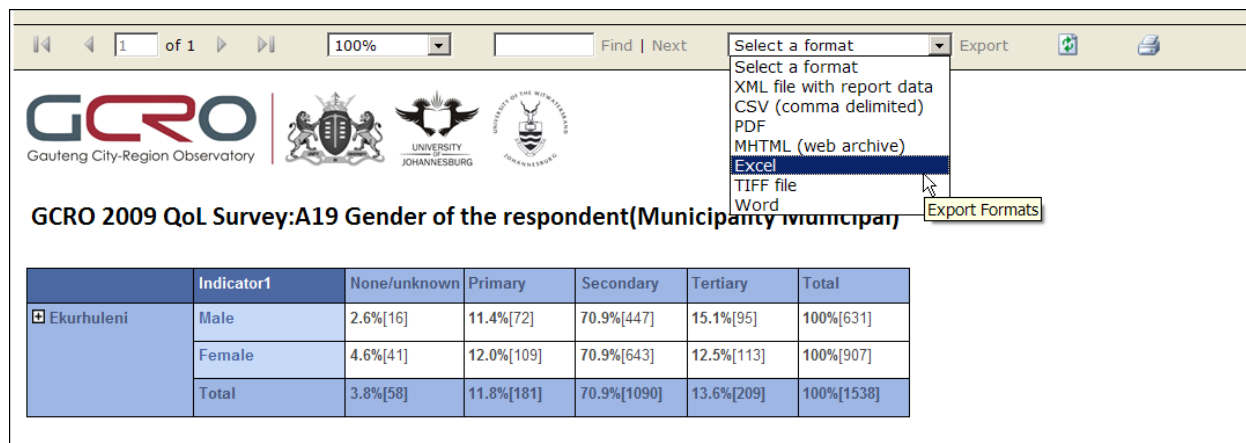
3. The print dialog box will be displayed
4. Select print options as required
5. Click the print button
6. The query results should be displayed successfully

NB. The print option will only work if the web browser used is internet explorer. Print will not work when using other browsers such as Mozilla Firefox, Apple Safari or Google Chrome. Please use the browser print functionality to print the results.

2.4. Export

Query results/reports can be printed. After generating a query, follow the steps below to print results:

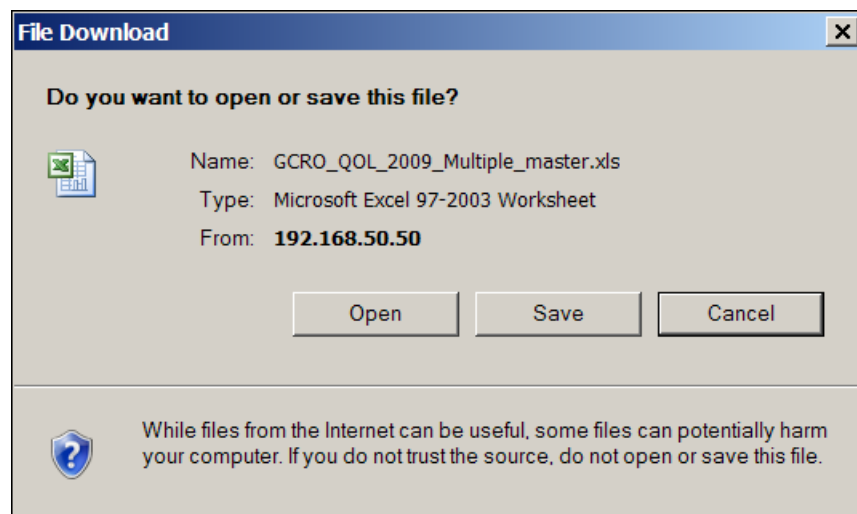
1. View query results
2. Select the format that the report must be exported in. Select format from the “Select a format” drop down menu as shown below:



GCRO 2009 QoL Survey: A19 Gender of the respondent (Municipality: Ekurhuleni)

	Indicator1	None/unknown	Primary	Secondary	Tertiary	Total
Ekurhuleni	Male	2.6%[16]	11.4%[72]	70.9%[447]	15.1%[95]	100%[631]
	Female	4.6%[41]	12.0%[109]	70.9%[643]	12.5%[113]	100%[907]
	Total	3.8%[58]	11.8%[181]	70.9%[1090]	13.6%[209]	100%[1538]

3. After selecting a format (only excel, PDF and word formats are available), click the export ([Export](#)) button
4. The File Download window will be displayed as shown below:



5. You can open the file or save it to your local computer
6. The file will be displayed as shown below (file exported to excel file):

GCRO_QOL_2009_Multiple_master[1].xls [Compatibility Mode] - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins

Clipboard Font Alignment Number Styles Cells Editing

Normal Bad Good Neutral Calculation Check Cell

GCRO 2009 QoL Survey: A19 Gender of the respondent (Municipality Municipal)

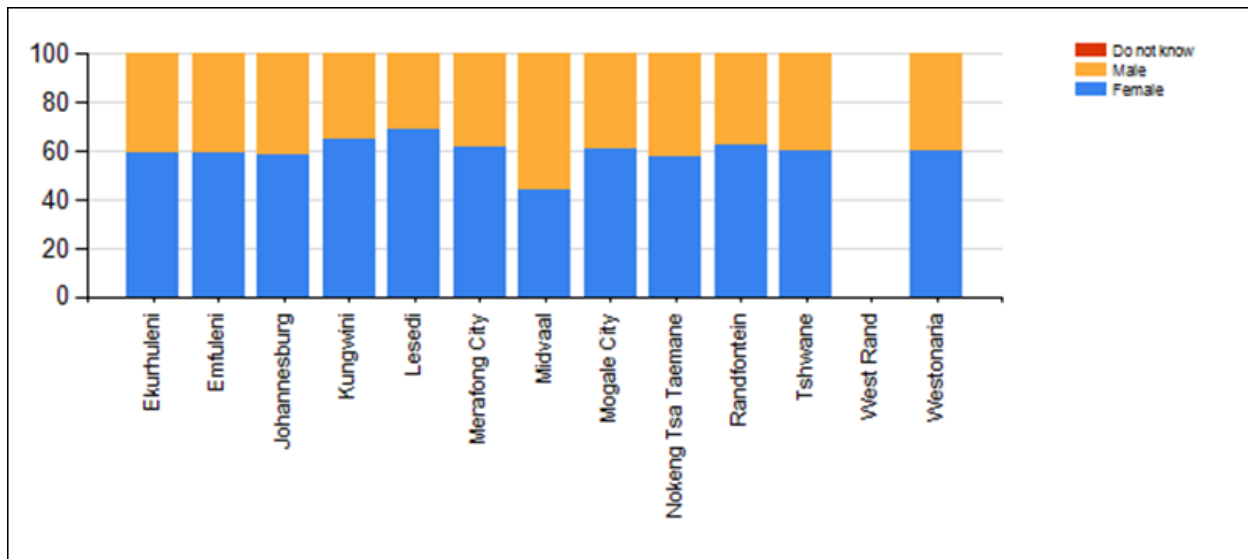
Indicator1	None/unknown	Primary	Secondary	Tertiary	Total
Male	2.6% [16]	11.4% [72]	78.9% [447]	15.1% [95]	100% [631]
Female	4.6% [41]	12.8% [109]	78.9% [643]	12.5% [113]	100% [807]
Total	3.8% [58]	11.8% [181]	78.9% [1090]	13.8% [209]	100% [1538]

Ready

2.5. Graphs

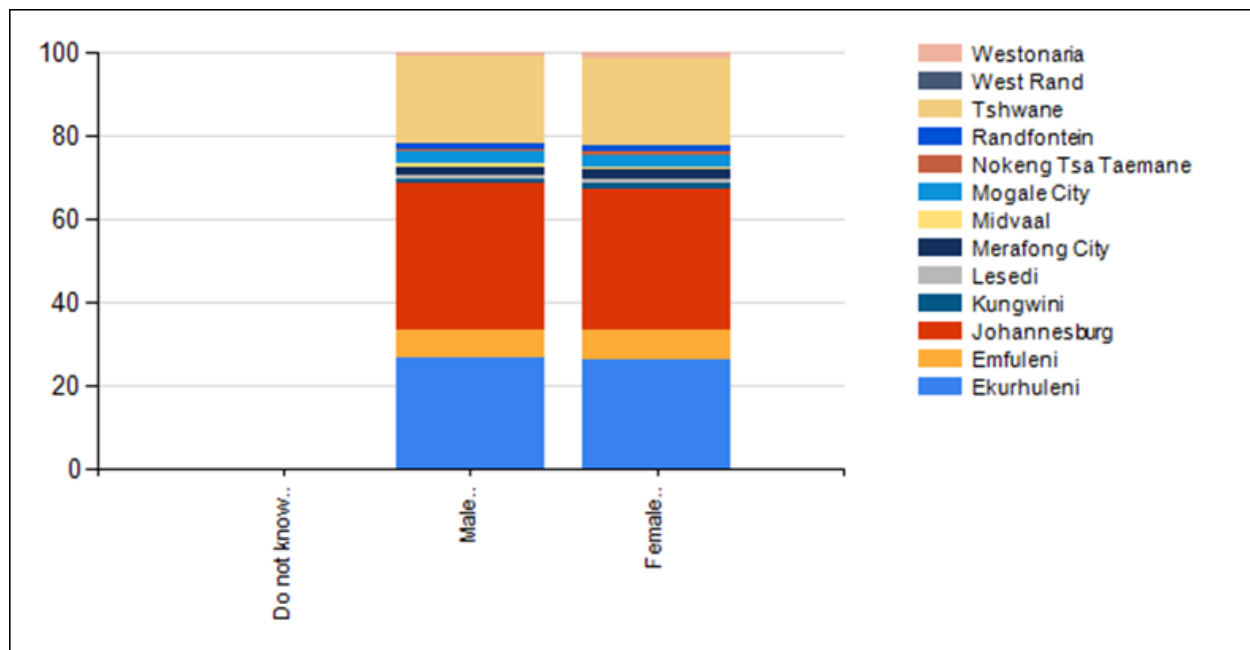
Graphs are a visual representation of the query results. Graphs are only generated for single indicator queries.

Example 1: Graph showing the percentage of males and females using the Municipality boundaries and graphed as a row percentage.



- X-Axis – Displays the geographic boundaries
- Y-Axis – Displays the male/female percentage
- Legend – Displayed on the upper right side of the graph

Example 2: Graph showing the percentage of males and females using the Municipality boundaries and graphed as a column percentage.



- X-Axis – Displays the male/female population
- Y-Axis – Displays the geographic boundaries
- Legend – Displayed on the upper right side of the graph