

GCRO – Quality of Life Survey 2 – 2011

Final Weight Calculations

The 2011 ward boundaries as supplied by the GCRO were used as the sampling frame for the second Quality of Life survey. These boundaries are the same as those used for the 2011 local elections. The number of surveys required per ward was based on the adult population per ward (Lightstone 2010 DemprokeyX population per ward).

Due to both access issues in certain wards, as well as oversampling in other wards, the original ratio of required surveys were not completed. One ward (74202001) was excluded totally from the sample frame due to the ward being made up of holiday homes and no permanent residents being found.

From the total sample of 16729, 15271 surveys were verified as being recorded in the correct ward, while the remaining 1008 were found to be within the correct municipality but not necessarily within the recorded ward.

The 15271 surveys where ward was confirmed were weighted at ward level, using the adult population per ward, while the 1008 surveys where municipality was confirmed were weighted at municipal level. For weighting at municipal level, the total population for all wards within the municipality was used. All weighting was calculated by Ross Jennings, on behalf of the GCRO. These calculated weights were applied to the data by Data World, with final signoff on the weighting being verified and approved by Ross Jennings.

Weighting is used to correctly proportionalise the sample across the sample frame, and weighting by adult population is used in this case. What it means is that wards and municipalities where surveys which receive a weighting of 1.00 have had the ideal proportion of surveys conducted within their ward.

Where the attached weight is below 1.00 , it would mean the ward has been oversampled proportionally, and too many interviews have been conducted. For wards in this scenario, the lower weight factor means that each survey will count less proportionally when the weighting is applied.

Where the weight attached is greater than 1.00, it means that proportionally too few interviews have been conducted based on adult population. The higher weight in these cases means that each survey will carry more weight in the calculation of frequencies for these wards and municipalities.

The use of the weighting when calculating frequencies allows for the proportional normalisation of data based on, in this case, adult population per ward and per municipality. The total number of surveys will not change when weight is applied / not applied, however the weight factor does result in each survey being counted either less, more, or the same as in original state.

The first table below shows weighting which was applied to 15721 records which were confirmed at ward level.

Ward_ID	Municipality	Adult population	Interviews	Weighting
74201001	Emfuleni	10531	21	1.037766028
74201002	Emfuleni	11041	23	0.993412695
74201003	Emfuleni	11820	21	1.164789142
74201004	Emfuleni	11533	26	0.917947991
74201005	Emfuleni	14397	24	1.241394722
74201006	Emfuleni	13916	22	1.309003691
74201007	Emfuleni	11487	25	0.950858174
74201008	Emfuleni	10206	24	0.880021847
74201009	Emfuleni	12295	25	1.017741904
74201010	Emfuleni	13404	23	1.206023346
74201011	Emfuleni	14364	38	0.782241642
74201012	Emfuleni	9485	36	0.545235301
74201013	Emfuleni	12447	27	0.954003696
74201014	Emfuleni	10060	22	0.946290394
74201015	Emfuleni	11904	27	0.912385313
74201016	Emfuleni	9140	21	0.900691435
74201017	Emfuleni	9165	16	1.18539098
74201018	Emfuleni	10497	37	0.587100709
74201019	Emfuleni	10555	23	0.949684901
74201020	Emfuleni	11448	29	0.816922306
74201021	Emfuleni	10558	26	0.840344654
74201022	Emfuleni	10278	11	1.933592977
74201023	Emfuleni	8982	19	0.978292179
74201024	Emfuleni	6726	15	0.927928974
74201025	Emfuleni	14246	51	0.578058639
74201026	Emfuleni	15354	21	1.513043358
74201027	Emfuleni	6554	19	0.713841788
74201028	Emfuleni	16027	48	0.690971495
74201029	Emfuleni	12680	18	1.457793066
74201030	Emfuleni	8701	33	0.545637689
74201031	Emfuleni	8889	37	0.497164733
74201032	Emfuleni	10714	20	1.108589544
74201033	Emfuleni	12649	38	0.688845345
74201034	Emfuleni	8919	27	0.683599178
74201035	Emfuleni	9939	25	0.822719543
74201036	Emfuleni	13515	37	0.755898455
74201037	Emfuleni	9204	22	0.865771053
74201038	Emfuleni	11883	26	0.9458056
74201039	Emfuleni	9515	17	1.158267853
74201040	Emfuleni	10121	24	0.872692643
74201041	Emfuleni	9409	15	1.298079649

74201042	Emfuleni	8062	14	1.191691632
74201043	Emfuleni	11785	24	1.016172592
74201044	Emfuleni	15155	35	0.89605987
74201045	Emfuleni	12060	17	1.46807255
74202002	Midvaal	3744	31	0.249932813
74202003	Midvaal	3021	28	0.223275888
74202004	Midvaal	4637	25	0.383836454
74202005	Midvaal	7649	68	0.23277958
74202006	Midvaal	4691	34	0.285519417
74202007	Midvaal	4782	42	0.235618514
74202008	Midvaal	4003	69	0.120056487
74202009	Midvaal	686	12	0.118301977
74202010	Midvaal	3554	31	0.237249257
74202011	Midvaal	3614	26	0.287649704
74202012	Midvaal	3195	6	1.101967393
74202013	Midvaal	5319	52	0.211678027
74202014	Midvaal	3034	28	0.224236691
74203001	Lesedi	5680	48	0.244881643
74203002	Lesedi	5516	49	0.232957828
74203003	Lesedi	5075	40	0.262557959
74203004	Lesedi	5280	53	0.206161319
74203005	Lesedi	3724	21	0.36697756
74203006	Lesedi	4051	40	0.209580747
74203007	Lesedi	4312	42	0.212460693
74203008	Lesedi	5341	48	0.230266348
74203009	Lesedi	3563	35	0.210667194
74203010	Lesedi	6224	51	0.252550679
74203011	Lesedi	2598	24	0.224014968
74203012	Lesedi	6060	57	0.220012269
74203013	Lesedi	4732	43	0.227732709
74801001	Mogale City	7331	46	0.329802938
74801002	Mogale City	5679	16	0.73451559
74801003	Mogale City	8467	18	0.973433272
74801004	Mogale City	7461	19	0.812629475
74801005	Mogale City	4423	11	0.832095907
74801006	Mogale City	6257	21	0.616589311
74801007	Mogale City	6670	22	0.627411226
74801008	Mogale City	7174	19	0.781370306
74801009	Mogale City	5946	16	0.769049075
74801010	Mogale City	5960	29	0.425301969
74801011	Mogale City	6973	25	0.577203277
74801012	Mogale City	4481	18	0.515171193
74801013	Mogale City	6230	16	0.805781321
74801014	Mogale City	5562	20	0.575506351
74801015	Mogale City	6373	15	0.879228569

74801016	Mogale City	7560	37	0.42283332
74801017	Mogale City	5894	19	0.641956591
74801018	Mogale City	6178	14	0.913206513
74801019	Mogale City	4880	17	0.59404594
74801020	Mogale City	10139	23	0.91225535
74801021	Mogale City	4988	12	0.860189883
74801022	Mogale City	6736	16	0.871226802
74801023	Mogale City	8051	40	0.41652298
74801024	Mogale City	7352	22	0.691563318
74801025	Mogale City	6815	37	0.381165222
74801026	Mogale City	8185	17	0.996365988
74801027	Mogale City	3768	21	0.371313493
74801028	Mogale City	5410	15	0.746371655
74801029	Mogale City	6633	24	0.571936597
74801030	Mogale City	12761	30	0.88026328
74801031	Mogale City	7843	20	0.811523968
74801032	Mogale City	13526	31	0.902935693
74801033	Mogale City	9852	20	1.019397442
74801034	Mogale City	6083	12	1.049024671
74802001	Randfontein	5759	37	0.32210279
74802002	Randfontein	7556	44	0.355376253
74802003	Randfontein	5394	24	0.465102669
74802004	Randfontein	2794	18	0.321220333
74802005	Randfontein	2885	22	0.27137652
74802006	Randfontein	4592	30	0.316759579
74802007	Randfontein	5741	33	0.360016776
74802008	Randfontein	7009	44	0.329649571
74802009	Randfontein	7050	32	0.455919608
74802010	Randfontein	1685	12	0.290581386
74802011	Randfontein	3572	42	0.175999442
74802012	Randfontein	5305	26	0.422241749
74802013	Randfontein	3870	16	0.500541527
74802014	Randfontein	4488	21	0.442265116
74802015	Randfontein	3295	33	0.206628685
74802016	Randfontein	5445	37	0.304540665
74802017	Randfontein	3793	24	0.327054955
74802018	Randfontein	5543	35	0.327737371
74802019	Randfontein	1590	17	0.193551854
74802020	Randfontein	4849	27	0.371652922
74802021	Randfontein	3765	22	0.354153413
74802022	Randfontein	3673	23	0.330477749
74803001	Westonaria	10295	34	0.62660891
74803002	Westonaria	6775	53	0.264534647
74803003	Westonaria	7035	42	0.346628241
74803004	Westonaria	3184	23	0.286480031

74803005	Westonaria	4318	29	0.30812985
74803006	Westonaria	4812	35	0.284516008
74803007	Westonaria	3654	22	0.343712237
74803008	Westonaria	4875	29	0.34787703
74803009	Westonaria	7431	35	0.439367925
74803010	Westonaria	8175	36	0.469931322
74803011	Westonaria	5735	26	0.456466811
74803012	Westonaria	6069	40	0.313983104
74803013	Westonaria	4189	23	0.376904789
74803014	Westonaria	7301	41	0.368508597
74803015	Westonaria	5260	28	0.388755767
74803016	Westonaria	9135	59	0.320409712
74804001	Merafong	6744	50	0.279123684
74804002	Merafong	3765	19	0.410072373
74804003	Merafong	6111	29	0.436077237
74804004	Merafong	7414	33	0.464930218
74804005	Merafong	3753	12	0.647211835
74804006	Merafong	5120	26	0.407517013
74804007	Merafong	5302	20	0.548603861
74804008	Merafong	6233	28	0.460668193
74804009	Merafong	5800	26	0.461640367
74804010	Merafong	6374	22	0.599568089
74804011	Merafong	4460	20	0.46148118
74804012	Merafong	7426	28	0.548840366
74804013	Merafong	6976	26	0.555241931
74804014	Merafong	11935	46	0.536925121
74804015	Merafong	4029	11	0.757972962
74804016	Merafong	5295	19	0.576715329
74804017	Merafong	5256	19	0.572467568
74804018	Merafong	4637	17	0.564465374
74804019	Merafong	8057	20	0.833666787
74804020	Merafong	4133	18	0.475162361
74804021	Merafong	5988	22	0.563259133
74804022	Merafong	3422	12	0.590130269
74804023	Merafong	3397	14	0.502130548
74804024	Merafong	3607	8	0.933050795
74804025	Merafong	4198	13	0.668264227
74804026	Merafong	3792	15	0.523149966
74804027	Merafong	6848	19	0.745863376
74804028	Merafong	4727	18	0.543453298
79700001	Ekurhuleni Metro	33062	50	1.368384824
79700002	Ekurhuleni Metro	19452	20	2.012720162
79700003	Ekurhuleni Metro	15421	19	1.679608516
79700004	Ekurhuleni Metro	10883	28	0.804340116
79700005	Ekurhuleni Metro	15052	41	0.759730365

79700006	Ekurhuleni Metro	17955	33	1.125953879
79700007	Ekurhuleni Metro	15102	33	0.947042912
79700008	Ekurhuleni Metro	15654	44	0.736244027
79700009	Ekurhuleni Metro	13972	25	1.156558754
79700010	Ekurhuleni Metro	13613	28	1.006108794
79700011	Ekurhuleni Metro	18081	38	0.984663821
79700012	Ekurhuleni Metro	15432	48	0.66531928
79700013	Ekurhuleni Metro	18471	27	1.415714812
79700014	Ekurhuleni Metro	16734	50	0.692594267
79700015	Ekurhuleni Metro	21373	33	1.340295865
79700016	Ekurhuleni Metro	17480	12	3.014458533
79700017	Ekurhuleni Metro	23239	13	3.699331201
79700018	Ekurhuleni Metro	18921	21	1.864549523
79700019	Ekurhuleni Metro	18963	33	1.189165325
79700020	Ekurhuleni Metro	22174	43	1.067148159
79700021	Ekurhuleni Metro	24008	28	1.774381835
79700022	Ekurhuleni Metro	19665	22	1.849781372
79700023	Ekurhuleni Metro	20052	13	3.192004356
79700024	Ekurhuleni Metro	22122	34	1.346463555
79700025	Ekurhuleni Metro	24831	36	1.427384055
79700026	Ekurhuleni Metro	24142	51	0.979607725
79700027	Ekurhuleni Metro	15214	19	1.657062704
79700028	Ekurhuleni Metro	19077	32	1.233699058
79700029	Ekurhuleni Metro	12065	33	0.756593347
79700030	Ekurhuleni Metro	19169	67	0.592070996
79700031	Ekurhuleni Metro	20641	22	1.941588472
79700032	Ekurhuleni Metro	17537	30	1.209715315
79700033	Ekurhuleni Metro	31527	57	1.144608384
79700034	Ekurhuleni Metro	18971	28	1.402107539
79700035	Ekurhuleni Metro	16212	20	1.677473744
79700036	Ekurhuleni Metro	18147	28	1.341207396
79700037	Ekurhuleni Metro	20225	26	1.609771796
79700038	Ekurhuleni Metro	25820	32	1.669765145
79700039	Ekurhuleni Metro	20653	27	1.582954795
79700040	Ekurhuleni Metro	18678	43	0.89889931
79700041	Ekurhuleni Metro	20508	49	0.866116596
79700042	Ekurhuleni Metro	21020	30	1.449975248
79700043	Ekurhuleni Metro	18589	29	1.326499716
79700044	Ekurhuleni Metro	21157	61	0.7177503
79700045	Ekurhuleni Metro	18505	32	1.196708134
79700046	Ekurhuleni Metro	20057	39	1.064266763
79700047	Ekurhuleni Metro	20706	35	1.224270253
79700048	Ekurhuleni Metro	14886	31	0.993723253
79700049	Ekurhuleni Metro	15292	49	0.645828701
79700050	Ekurhuleni Metro	15655	29	1.117131263

79700051	Ekurhuleni Metro	14271	21	1.406320292
79700052	Ekurhuleni Metro	19946	39	1.058376868
79700053	Ekurhuleni Metro	14089	45	0.647913139
79700054	Ekurhuleni Metro	15503	45	0.712938987
79700055	Ekurhuleni Metro	17784	37	0.994665048
79700056	Ekurhuleni Metro	15696	37	0.877882512
79700057	Ekurhuleni Metro	16942	40	0.876503829
79700058	Ekurhuleni Metro	22625	22	2.128212741
79700059	Ekurhuleni Metro	18826	50	0.779178897
79700060	Ekurhuleni Metro	20277	49	0.856360748
79700061	Ekurhuleni Metro	24980	59	0.876172371
79700062	Ekurhuleni Metro	13874	44	0.652526488
79700063	Ekurhuleni Metro	20118	48	0.867346636
79700064	Ekurhuleni Metro	23062	32	1.491406808
79700065	Ekurhuleni Metro	21334	32	1.379658002
79700066	Ekurhuleni Metro	22771	37	1.27358962
79700067	Ekurhuleni Metro	19208	35	1.135698977
79700068	Ekurhuleni Metro	24373	43	1.172977454
79700069	Ekurhuleni Metro	14796	29	1.055833546
79700070	Ekurhuleni Metro	16409	35	0.970204316
79700071	Ekurhuleni Metro	25309	55	0.952272906
79700072	Ekurhuleni Metro	18988	37	1.062005169
79700073	Ekurhuleni Metro	17936	20	1.855857949
79700074	Ekurhuleni Metro	18772	21	1.849866478
79700075	Ekurhuleni Metro	21746	20	2.250082903
79700076	Ekurhuleni Metro	20260	27	1.552833203
79700077	Ekurhuleni Metro	21709	39	1.15192537
79700078	Ekurhuleni Metro	18159	36	1.043851115
79700079	Ekurhuleni Metro	22571	39	1.19766491
79700080	Ekurhuleni Metro	17005	39	0.9023212
79700081	Ekurhuleni Metro	23344	61	0.79194418
79700082	Ekurhuleni Metro	18051	32	1.167348204
79700083	Ekurhuleni Metro	17390	47	0.765686263
79700084	Ekurhuleni Metro	22676	46	1.020135236
79700085	Ekurhuleni Metro	17792	38	0.96892532
79700086	Ekurhuleni Metro	17805	47	0.783958822
79700087	Ekurhuleni Metro	19069	34	1.160641602
79700088	Ekurhuleni Metro	20020	13	3.186910394
79700089	Ekurhuleni Metro	24641	46	1.108535559
79700090	Ekurhuleni Metro	16591	49	0.700689509
79700091	Ekurhuleni Metro	25490	33	1.598471978
79700092	Ekurhuleni Metro	21031	27	1.611926707
79700093	Ekurhuleni Metro	19945	68	0.60697983
79700094	Ekurhuleni Metro	16997	18	1.954109522
79700095	Ekurhuleni Metro	17451	41	0.880816808

79700096	Ekurhuleni Metro	21166	49	0.893905982
79700097	Ekurhuleni Metro	23068	31	1.539917238
79700098	Ekurhuleni Metro	15470	24	1.333915146
79700099	Ekurhuleni Metro	37999	26	3.02446074
79700100	Ekurhuleni Metro	19478	19	2.121484643
79700101	Ekurhuleni Metro	27326	65	0.869985149
79800001	City of Jo'burg Metro	27122	102	0.550263456
79800002	City of Jo'burg Metro	25769	63	0.84645943
79800003	City of Jo'burg Metro	19530	32	1.262994318
79800004	City of Jo'burg Metro	24904	29	1.777134269
79800005	City of Jo'burg Metro	25967	22	2.442576806
79800006	City of Jo'burg Metro	22444	42	1.105859877
79800007	City of Jo'burg Metro	21226	73	0.601719979
79800008	City of Jo'burg Metro	26492	41	1.33714967
79800009	City of Jo'burg Metro	20602	51	0.835965469
79800010	City of Jo'burg Metro	25178	52	1.001998375
79800011	City of Jo'burg Metro	19849	45	0.912799198
79800012	City of Jo'burg Metro	16197	5	6.703686707
79800013	City of Jo'burg Metro	19007	38	1.035092376
79800014	City of Jo'burg Metro	20575	23	1.85123324
79800015	City of Jo'burg Metro	18998	30	1.310496183
79800016	City of Jo'burg Metro	19596	27	1.501940743
79800017	City of Jo'burg Metro	20183	37	1.128841918
79800018	City of Jo'burg Metro	23203	65	0.738720099
79800019	City of Jo'burg Metro	24697	53	0.964311762
79800020	City of Jo'burg Metro	22238	45	1.02266253
79800021	City of Jo'burg Metro	20307	25	1.680950373
79800022	City of Jo'burg Metro	18161	55	0.683323255
79800023	City of Jo'burg Metro	21561	24	1.859117289
79800024	City of Jo'burg Metro	18110	29	1.292318568
79800025	City of Jo'burg Metro	20697	41	1.044654489
79800026	City of Jo'burg Metro	17251	31	1.151600151
79800027	City of Jo'burg Metro	15228	38	0.829293771
79800028	City of Jo'burg Metro	18351	31	1.225031266
79800029	City of Jo'burg Metro	20351	27	1.559807923
79800030	City of Jo'burg Metro	18388	33	1.153107208
79800031	City of Jo'burg Metro	14835	38	0.807891587
79800032	City of Jo'burg Metro	21259	37	1.189022956
79800033	City of Jo'burg Metro	21661	31	1.445992167
79800034	City of Jo'burg Metro	16913	22	1.590915451
79800035	City of Jo'burg Metro	17562	30	1.211439834
79800036	City of Jo'burg Metro	18269	48	0.787630763
79800037	City of Jo'burg Metro	18865	37	1.055125738
79800038	City of Jo'burg Metro	16600	43	0.798893273
79800039	City of Jo'burg Metro	22291	37	1.24674306

79800040	City of Jo'burg Metro	15032	35	0.888787329
79800041	City of Jo'burg Metro	16872	22	1.587058801
79800042	City of Jo'burg Metro	17750	21	1.749154591
79800043	City of Jo'burg Metro	19669	26	1.565517995
79800044	City of Jo'burg Metro	14665	41	0.740197037
79800045	City of Jo'burg Metro	18850	26	1.500331192
79800046	City of Jo'burg Metro	18754	38	1.02131438
79800047	City of Jo'burg Metro	18125	21	1.786108562
79800048	City of Jo'burg Metro	17192	30	1.185916959
79800049	City of Jo'burg Metro	9202	16	1.19017652
79800050	City of Jo'burg Metro	14128	24	1.218199947
79800051	City of Jo'burg Metro	18281	19	1.991111036
79800052	City of Jo'burg Metro	20860	31	1.392520964
79800053	City of Jo'burg Metro	29531	46	1.328524151
79800054	City of Jo'burg Metro	29096	44	1.36845255
79800055	City of Jo'burg Metro	17780	45	0.817651758
79800056	City of Jo'burg Metro	17881	28	1.321547884
79800057	City of Jo'burg Metro	23649	60	0.815662813
79800058	City of Jo'burg Metro	19806	35	1.171056535
79800059	City of Jo'burg Metro	9989	14	1.476532835
79800060	City of Jo'burg Metro	21646	23	1.947596341
79800061	City of Jo'burg Metro	10660	8	2.757505259
79800062	City of Jo'burg Metro	16361	10	3.38578188
79800063	City of Jo'burg Metro	17484	21	1.722941909
79800064	City of Jo'burg Metro	28548	62	0.952868851
79800065	City of Jo'burg Metro	13411	43	0.645419138
79800066	City of Jo'burg Metro	28879	33	1.810995381
79800067	City of Jo'burg Metro	17107	14	2.528686276
79800068	City of Jo'burg Metro	17156	27	1.31492628
79800069	City of Jo'burg Metro	19995	49	0.844451011
79800070	City of Jo'burg Metro	21295	38	1.159693384
79800071	City of Jo'burg Metro	16688	24	1.438938329
79800072	City of Jo'burg Metro	13195	22	1.241183077
79800073	City of Jo'burg Metro	17378	27	1.33194153
79800074	City of Jo'burg Metro	20299	50	0.840144079
79800075	City of Jo'burg Metro	18950	36	1.089320923
79800076	City of Jo'burg Metro	14140	5	5.852326359
79800077	City of Jo'burg Metro	21568	28	1.59404646
79800078	City of Jo'burg Metro	17126	26	1.363112572
79800079	City of Jo'burg Metro	19016	31	1.269423713
79800080	City of Jo'burg Metro	11355	28	0.839224664
79800081	City of Jo'burg Metro	19215	20	1.988197507
79800082	City of Jo'burg Metro	21083	43	1.014642583
79800083	City of Jo'burg Metro	16079	21	1.5844877
79800084	City of Jo'burg Metro	16201	21	1.596510058

79800085	City of Jo'burg Metro	19465	37	1.088683938
79800086	City of Jo'burg Metro	22174	42	1.092556448
79800087	City of Jo'burg Metro	12841	16	1.660840762
79800088	City of Jo'burg Metro	18832	16	2.435710087
79800089	City of Jo'burg Metro	14871	21	1.465446644
79800090	City of Jo'burg Metro	15015	5	6.214475268
79800091	City of Jo'burg Metro	14615	18	1.680255967
79800092	City of Jo'burg Metro	19792	31	1.321226027
79800093	City of Jo'burg Metro	20894	12	3.603209186
79800094	City of Jo'burg Metro	16330	35	0.965533334
79800095	City of Jo'burg Metro	32285	72	0.927934723
79800096	City of Jo'burg Metro	45905	8	11.87460403
79800097	City of Jo'burg Metro	33579	22	3.158596934
79800098	City of Jo'burg Metro	22618	30	1.560206478
79800099	City of Jo'burg Metro	16570	12	2.857527339
79800100	City of Jo'burg Metro	24388	41	1.230952972
79800101	City of Jo'burg Metro	23363	21	2.302281618
79800102	City of Jo'burg Metro	20841	8	5.391103857
79800103	City of Jo'burg Metro	26545	44	1.248473087
79800104	City of Jo'burg Metro	18729	7	5.536887269
79800105	City of Jo'burg Metro	23391	82	0.590315339
79800106	City of Jo'burg Metro	26131	43	1.257583139
79800107	City of Jo'burg Metro	15250	29	1.08823071
79800108	City of Jo'burg Metro	16879	32	1.091555611
79800109	City of Jo'burg Metro	21843	33	1.369769456
79800110	City of Jo'burg Metro	18983	21	1.870659246
79800111	City of Jo'burg Metro	20734	46	0.932769623
79800112	City of Jo'burg Metro	37646	17	4.582674892
79800113	City of Jo'burg Metro	24515	31	1.636512532
79800114	City of Jo'burg Metro	22271	26	1.772619415
79800115	City of Jo'burg Metro	24164	30	1.666850709
79800116	City of Jo'burg Metro	18020	19	1.962683708
79800117	City of Jo'burg Metro	15801	27	1.211071937
79800118	City of Jo'burg Metro	17895	22	1.683286939
79800119	City of Jo'burg Metro	19046	45	0.875871506
79800120	City of Jo'burg Metro	20678	23	1.860500653
79800121	City of Jo'burg Metro	29873	29	2.131719082
79800122	City of Jo'burg Metro	24458	33	1.533755498
79800123	City of Jo'burg Metro	29388	14	4.34401311
79800124	City of Jo'burg Metro	23696	40	1.22592579
79800125	City of Jo'burg Metro	33187	63	1.090125698
79800126	City of Jo'burg Metro	20174	16	2.609282885
79800127	City of Jo'burg Metro	18204	41	0.918823516
79800128	City of Jo'burg Metro	24876	16	3.217434373
79800129	City of Jo'burg Metro	22041	36	1.267003824

79800130	City of Jo'burg Metro	14257	27	1.092731637
79900001	Tshwane Metro	17505	29	1.249146136
79900002	Tshwane Metro	13386	17	1.629487492
79900003	Tshwane Metro	22714	54	0.87046035
79900004	Tshwane Metro	26075	31	1.740651205
79900005	Tshwane Metro	19824	26	1.577854936
79900006	Tshwane Metro	13197	40	0.682754163
79900007	Tshwane Metro	21454	35	1.268496764
79900008	Tshwane Metro	12668	18	1.456413451
79900009	Tshwane Metro	20576	42	1.013819856
79900010	Tshwane Metro	18245	38	0.993595013
79900011	Tshwane Metro	14306	14	2.114653993
79900012	Tshwane Metro	12000	51	0.486922902
79900013	Tshwane Metro	13832	26	1.100932681
79900014	Tshwane Metro	12657	25	1.047707139
79900015	Tshwane Metro	13690	19	1.49107325
79900016	Tshwane Metro	12527	49	0.529054155
79900017	Tshwane Metro	21964	38	1.196126109
79900018	Tshwane Metro	19068	21	1.879035479
79900019	Tshwane Metro	16697	27	1.2797461
79900020	Tshwane Metro	15472	10	3.201810234
79900021	Tshwane Metro	17843	31	1.191119442
79900022	Tshwane Metro	13408	20	1.387340732
79900023	Tshwane Metro	15425	25	1.27683358
79900024	Tshwane Metro	17996	38	0.98003485
79900025	Tshwane Metro	17904	25	1.482037498
79900026	Tshwane Metro	14101	23	1.26873584
79900027	Tshwane Metro	22537	29	1.608226591
79900028	Tshwane Metro	14033	16	1.815012725
79900029	Tshwane Metro	16362	25	1.354395529
79900030	Tshwane Metro	18437	28	1.362640699
79900031	Tshwane Metro	19090	58	0.681125385
79900032	Tshwane Metro	16444	29	1.173433823
79900033	Tshwane Metro	15044	29	1.073530675
79900034	Tshwane Metro	16967	40	0.877797218
79900035	Tshwane Metro	12581	21	1.239781066
79900036	Tshwane Metro	16612	29	1.1854222
79900037	Tshwane Metro	15490	22	1.457061452
79900038	Tshwane Metro	7539	13	1.200105767
79900039	Tshwane Metro	15204	15	2.097566477
79900040	Tshwane Metro	30435	48	1.312143098
79900041	Tshwane Metro	12006	19	1.307657081
79900042	Tshwane Metro	14893	25	1.232796273
79900043	Tshwane Metro	16270	34	0.990279452
79900044	Tshwane Metro	12568	17	1.529911758

79900045	Tshwane Metro	8717	11	1.639923135
79900046	Tshwane Metro	15644	24	1.348918458
79900047	Tshwane Metro	12048	16	1.558275017
79900048	Tshwane Metro	30089	49	1.270752012
79900049	Tshwane Metro	19041	55	0.716434012
79900050	Tshwane Metro	15857	23	1.426731737
79900051	Tshwane Metro	17866	24	1.540512475
79900052	Tshwane Metro	13216	18	1.519415864
79900053	Tshwane Metro	17166	27	1.315692733
79900054	Tshwane Metro	15062	10	3.116963919
79900055	Tshwane Metro	17938	28	1.325760636
79900056	Tshwane Metro	10928	13	1.739588251
79900057	Tshwane Metro	17400	50	0.720158972
79900058	Tshwane Metro	22366	33	1.402566664
79900059	Tshwane Metro	17021	9	3.913737504
79900060	Tshwane Metro	20395	24	1.758577854
79900061	Tshwane Metro	25673	40	1.328206989
79900062	Tshwane Metro	17043	52	0.67825317
79900063	Tshwane Metro	12664	31	0.845392401
79900064	Tshwane Metro	20767	29	1.481920469
79900065	Tshwane Metro	14777	26	1.176148224
79900066	Tshwane Metro	13583	17	1.653468445
79900067	Tshwane Metro	15638	23	1.407027237
79900068	Tshwane Metro	15922	42	0.784508152
79900069	Tshwane Metro	14920	23	1.34242527
79900070	Tshwane Metro	25369	33	1.590884096
79900071	Tshwane Metro	17569	25	1.454307239
79900072	Tshwane Metro	16249	52	0.646654683
79900073	Nokeng tsa Taemane	15321	53	0.598219237
79900074	Tshwane Metro	14314	23	1.287900491
79900075	Tshwane Metro	14158	39	0.751253369
79900076	Tshwane Metro	14559	32	0.941522492
79900077	Tshwane Metro	30781	33	1.930269359
79900078	Tshwane Metro	14763	20	1.527544096
79900079	Tshwane Metro	19294	38	1.050721961
79900080	Tshwane Metro	17515	30	1.208197739
79900081	Tshwane Metro	7727	9	1.776714041
79900082	Tshwane Metro	10531	20	1.08965433
79900083	Tshwane Metro	7725	11	1.453298866
79900084	Tshwane Metro	18254	26	1.452893664
79900085	Tshwane Metro	21337	47	0.939473709
79900086	Tshwane Metro	19741	35	1.167213322
79900087	Nokeng tsa Taemane	13862	75	0.382484432
79900088	Tshwane Metro	19551	32	1.264352376
79900089	Kungwini	18036	39	0.957028236

79900090	Tshwane Metro	14978	29	1.068820956
79900091	Kungwini	24977	51	1.013489444
79900092	Tshwane Metro	18612	24	1.60483702
79900093	Nokeng tsa Taemane	16293	51	0.66111957
79900094	Tshwane Metro	14460	22	1.360174861
79900095	Tshwane Metro	13285	33	0.833099264
79900096	Tshwane Metro	22901	81	0.585084455
79900097	Tshwane Metro	10366	25	0.858065276
79900098	Tshwane Metro	18805	1	38.91548698
79900099	Nokeng tsa Taemane	19581	52	0.779256898
79900100	Nokeng tsa Taemane	19273	88	0.453227007
79900101	Kungwini	29371	5	12.15620067
79900102	Kungwini	17958	40	0.929067157
79900103	Kungwini	12941	66	0.405763552
79900104	Kungwini	11453	4	5.925273497
79900105	Kungwini	16327	37	0.913174552
		7596806	15721	

The table below shows the weighting which was applied to the 1008 records which were confirmed at municipal level.

Municipality	Adult population	WithinMunic	Weighting
Emfuleni	501620	109	0.610629585
Midvaal	51929	14	0.492165787
Lesedi	62156	7	1.17818778
Mogale City	237641	24	1.313831365
Randfontein	99653	23	0.574899641
Westonaria	98243	17	0.766800153
Merafong	154799	34	0.604113763
Ekurhuleni	1978304	285	0.921038247
Joburg	2645437	336	1.044690492
Tshwane	1551631	141	1.460154567
Nokeng	84330	12	0.9324603
Kungwini	131063	6	2.898400196
	7596806	1008	