

Widening Participation in Higher Education in Ghana and Tanzania: Developing an Equity Scorecard

An ESRC/DfID Poverty Reduction Programme funded Research Project

Equity Scorecards on Access, Retention and Achievement of Students Ghanaian Public University



January 2010



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Glossary of terms used in the Equity Scorecards:

Level:

Level refers to the year of study. For example, Level 100 means the first year of the programme, Level 200 the second year.

Low SES students:

Ghana: Students who attended a senior secondary school classified as 'deprived' or 'very deprived' by the Amedahe Committee at the university of Cape Coast. A 'deprived' school is defined as being a (public) senior secondary school that has poor infrastructural facilities, non-qualified and insufficient teaching staff, and which will admit students who achieved lower than average grades in the Basic Secondary School Certificate.

Tanzania: Students who attended a junior secondary government or community school in the poorest 53 districts of the country, based on the proportion of the population living below the 2000/1 basic needs poverty line (262 Tanzanian shillings per adult equivalent per day).

Mature Students:

Students aged 30 years or over on admission to university.

Reasons for rejection:

Below the cut-off point (BC):

Female or male applicants who met the general academic requirement to enter university but were rejected because the score on their senior secondary school (SSS) certificate did not meet the cut-off point (minimum score to enter a programme) assigned by the university to the particular programme.

Not Meeting Criteria (NMC)

Female or male applicants rejected because they did not meet the criteria to enter the university. These criteria may be academic or financial (not being able to afford the fees).

Diversified routes:

Direct

Entry to programme based on senior secondary school certificate.

Equivalent

Entry to programme based on other qualifications than SSS certificates (e.g. 'O' levels, technical college diplomas and certificates, etc) or the successful completion of pre-entry programmes or examinations.

Mature

Entry to programme based on mature entry examinations.

Gender Index:

Percentage of women in the selected group (low SES students or mature students) divided by the percentage of women on the programme.

Poverty Index:

Percentage of low SES students in the selected group (women or mature students) divided by the percentage of low SES students on the programme.

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Project RES-1 67-25 -0078

ESC SET 1: Applications and Admission to Four Programmes in 2007/2008 Disaggregated by Gender

ESC 1.1 Applications and Admission to Four Programmes at a Ghanaian Public University in 2007/2008 Disaggregated by Gender

Programme	Number of Applicants			% of Women Applicants	Reason for rejection				% of Applicants Accepted		
	Total	Men	Women		Women		Men		All	Women	Men
					BC ¹	NMC ²	BC ¹	NMC ²			
B. Commerce	930	707	223	23.98	93.37	6.63	93.40	6.60	19.35	19.28	19.38
B. Management Studies	971	675	296	30.48	97.14	2.86	94.55	5.45	16.37	17.91	15.70
B. Education (Primary)	239	171	63	26.36	22.86	77.14	28.57	71.43	53.14	44.44	56.25
B. Sc. Optometry	99	85	14	14.14	100.0	0.00	85.07	14.93	26.26	57.14	21.18

1. BC: Percentage of women or men applicants rejected because they did not meet the cut-off point assigned by the university to the particular program applied.
2. NMC: Percentage of women or men applicants rejected because they did not meet the criteria to enter the university.

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ESC SET 2: Access to Four Programmes According to Age, Gender and Socio-Economic Status

ESC 2.1 Access to Level 100 on Four Programmes at a Public University in Ghana According to Age, Gender and Socio-Economic Status in 2007/2008

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Sc. Optometry	69.23	30.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Commerce	76.11	23.89	2.78	2.22	0.56	12.78	9.44	3.33	0.56	0.56	0.00
B. Education (Primary)	77.95	22.05	10.24	8.66	1.57	78.74	59.84	18.90	7.09	5.51	1.57
B. Management Studies	66.67	33.33	1.89	1.26	0.63	8.18	1.89	6.29	0.00	0.00	0.00

ESC 2.3 Access to Level 200 on Four Programmes at a Public University in Ghana According to Age, Gender and Socio-Economic Status in 2007/2008

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Sc. Optometry	69.23	30.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Commerce	70.08	29.92	1.66	0.55	1.11	5.82	5.54	0.28	0.00	0.00	0.00
B. Education (Primary)	63.64	36.36	8.08	6.06	2.02	65.66	44.44	21.21	8.08	6.06	2.02
B. Management Studies	52.94	47.06	2.94	1.26	1.68	6.30	2.94	3.36	0.00	0.00	0.00

ESC 2.5 Access to Level 300 on Four Programmes at a Public University in Ghana According to Age, Gender and Socio-Economic Status in 2007/2008

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Sc. Optometry	81.82	18.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Commerce	67.19	32.81	3.15	1.35	1.80	2.70	2.25	0.45	0.22	0.22	0.00
B. Education (Primary)	56.13	43.87	7.74	7.10	0.65	58.71	36.77	21.94	5.16	5.16	0.00
B. Management Studies	58.96	41.04	1.49	0.75	0.75	3.36	0.75	2.61	0.00	0.00	0.00

ESC 2.7 Access to Level 400 on Four Programmes at a Public University in Ghana According to Age, Gender and Socio-Economic Status in 2007/2008

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Sc. Optometry	75.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Commerce	70.62	29.38	3.23	2.16	1.08	22.10	18.06	4.04	0.54	0.54	0.00
B. Education (Primary)	56.52	43.48	10.56	8.70	1.86	72.67	41.61	31.06	8.70	6.83	1.86
B. Management Studies	54.35	45.65	1.24	0.93	0.31	17.70	9.01	8.70	0.93	0.62	0.31

ESC SET 3: Access to Different Programmes According to Age, Gender and Socio-Economic Status by Levels in 2007/2008

ESC 3.1 Access to B. Commerce According to Age, Gender and Socio-Economic Status at a Public University in Ghana by Levels in 2007/2008

B. Commerce	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	76.11	23.89	2.78	2.22	0.56	12.78	9.44	3.33	0.56	0.56	0.00
Level200	63.64	29.92	1.66	0.55	1.11	5.82	5.54	0.28	0.00	0.00	0.00
Level 300	56.13	32.81	3.15	1.35	1.80	2.70	2.25	0.45	0.22	0.22	0.00
Level 400	56.52	29.38	3.23	2.16	1.08	22.10	18.06	4.04	0.54	0.54	0.00

ESC 3.2 Access to B. Management Studies According to Age, Gender and Socio-Economic Status at a Public University in Ghana by Levels in 2007/2008

B. Management Studies	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	66.67	33.33	1.89	1.26	0.63	8.18	1.89	6.29	0.00	0.00	0.00
Level 200	52.94	47.06	2.94	1.26	1.68	6.30	2.94	3.36	0.00	0.00	0.00
Level 300	58.96	41.04	1.49	0.75	0.75	3.36	0.75	2.61	0.00	0.00	0.00
Level 400	54.35	45.65	1.24	0.93	0.31	17.70	9.01	8.70	0.93	0.62	0.31

ESC 3.3 Access to B. Primary Education According to Age, Gender and Socio-Economic Status at a Public University in Ghana by Levels in 2007/2008

B. Primary Education	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	77.95	22.05	10.24	8.66	1.57	78.74	59.84	18.90	7.09	5.51	1.57
Level 200	63.64	36.36	8.08	6.06	2.02	65.66	44.44	21.21	8.08	6.06	2.02
Level 300	56.13	43.87	7.74	7.10	0.65	58.71	36.77	21.94	5.16	5.15	0.00
Level 400	56.52	43.48	10.56	8.70	1.86	72.67	41.61	31.06	8.70	6.83	1.86

ESC 3.4 Access to B.Sc. Optometry According to Age, Gender and Socio-Economic Status at a Public University in Ghana by Levels in 2007/2008

B. Sc. Optometry	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	69.23	30.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Level 200	69.23	30.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Level 300	81.82	18.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Level 400	75.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ESC SET 4: Access amongst Women, Low SES Students and Mature Students on 4 Programmes in 2007/2008

ESC 4.1 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 100 of a Ghanaian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	12.41	2.92	13.95	2.33	80.00	20.00	20.00	73.91	26.09	4.35
B. Management Studies	2.83	1.89	18.87	1.89	66.67	33.33	0.00	23.08	76.92	0.00
B. Education (Primary)	76.77	11.11	85.71	7.14	84.62	15.38	69.23	76.00	24.00	9.00
B. Sc. Optometry	0.00	0.00	0.00	0.00	--	--	--	--	--	--

ESC 4.3 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 200 of a Ghanaian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	7.91	0.79	0.93	3.70	33.33	66.67	0.00	95.24	4.76	0.00
B. Management Studies	5.56	2.38	7.14	3.57	42.86	57.14	0.00	46.63	53.33	0.00
B. Education (Primary)	69.84	9.52	58.33	5.56	75.00	25.00	100	67.69	32.31	12.31
B. Sc. Optometry	0.00	0.00	0.00	0.00	--	--	--	--	--	-

ESC 4.5 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 300 of a Ghanaian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	3.34	2.01	1.37	5.48	42.86	57.14	7.14	83.33	16.67	8.33
B. Management Studies	1.27	1.27	6.36	1.82	50.00	50.00	0.00	22.22	77.78	0.00
B. Education (Primary)	65.52	12.64	50.00	1.47	91.67	8.33	66.67	62.64	37.36	8.79
B. Sc. Optometry	0.00	0.00	0.00	0.00	--	--	--	--	--	--

ESC 4.7 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 400 of a Ghanaian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	25.57	3.05	13.76	3.67	66.67	33.33	16.67	81.71	18.29	2.44
B. Management Studies	16.57	1.71	19.05	0.68	75.00	25.00	75.00	50.88	49.12	5.26
B. Education (Primary)	73.63	15.38	71.43	4.29	82.35	17.65	82.35	57.26	42.74	11.97
B. Sc. Optometry	0.00	0.00	0.00	0.00	--	--	--	--	--	--

ESC SET 5: Opening Access through Diversified Routes on 4 Programmes in 2007/2008

ESC 5.1 Opening Access through Diversified Routes at Level 100 on 4 Programmes of a Public Ghanaian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	73.33	19.44	7.22	72.99	19.71	7.30	74.42	18.60	6.98	60.00	20.00	20.00	0.00	43.48	56.52
B. Management Studies	86.16	11.32	2.52	95.28	3.77	0.94	67.92	26.42	5.66	100.0	0.00	0.00	0.00	69.23	30.77
B. Education (Primary)	26.77	0.00	73.23	29.29	0.00	70.71	17.86	0.00	82.14	38.46	0.00	61.54	7.00	0.00	93.00
B. Sc. Optometry	100.0	0.00	0.00	1.00	0.00	0.00	100.0	0.00	0.00	--	--	--	--	--	--

ESC 5.3 Opening Access through Diversified Routes at Level 200 on 4 Programmes of a Public Ghanaian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	87.53	8.59	3.88	85.77	8.70	5.53	91.67	8.33	0.00	100.0	0.00	0.00	23.81	38.10	38.10
B. Management Studies	89.50	8.40	2.10	92.86	3.97	3.17	85.71	13.39	0.89	10.00	0.00	0.00	20.00	53.33	26.67
B. Education (Primary)	33.33	0.00	66.67	30.16	0.00	69.84	38.89	0.00	61.11	0.00	0.00	100.0	3.08	0.00	96.92
B. Sc. Optometry	100.0	0.00	0.00	100.0	0.00	0.00	100.0	0.00	0.00	--	--	--	--	--	--

ESC 5.5 Opening Access through Diversified Routes at Level 300 on 4 Programmes of a Public Ghanaian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	97.75	0.67	1.57	96.99	0.67	2.34	99.32	0.68	0.00	92.86	0.00	7.14	58.33	8.33	33.33
B. Management Studies	97.01	0.00	2.99	99.37	0.00	0.63	93.64	0.00	6.36	100.0	0.00	0.00	44.44	0.00	55.56
B. Education (Primary)	40.65	0.00	59.35	36.78	0.00	63.22	45.59	0.00	54.41	33.33	0.00	66.67	14.29	0.00	85.71
B. Sc. Optometry	10.00	0.00	0.00	100.0	0.00	0.00	100.0	0.00	0.00	--	--	--	--	--	--

ESC 5.7 Opening Access through Diversified Routes at Level 400 on 4 Programmes of a Public Ghanaian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	85.44	12.67	1.89	83.21	14.50	2.29	90.38	8.26	0.92	75.00	25.00	0.00	70.73	20.73	8.54
B. Management Studies	97.52	0.31	2.17	98.29	0.00	1.71	96.60	0.68	2.72	100.0	0.00	0.00	85.96	1.75	12.28
B. Education (Primary)	55.28	0.00	44.72	56.04	0.00	43.96	54.29	0.00	45.71	41.18	0.00	58.82	41.88	0.00	58.12
B. Sc. Optometry	100.0	0.00	0.00	100.0	0.00	0.00	100.0	0.00	0.00	--	--	--	--	--	--

ESC SET 6: Measuring Intersection through Indices on 4 Programmes in 2007/2008

ESC 6.1 Measuring Intersection through Indices on 4 Programmes at Level 100 of a Public University in Ghana in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	23.89	2.78	0.84	1.09	0.84	1.56
B. Management Studies	33.33	1.89	1	2.31	1	0.00
B. Education (Primary)	22.05	10.24	0.70	1.09	0.70	0.88
B. Sc. Optometry	30.77	0.00	-	-	-	-

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme

ESC 6.3 Measuring Intersection through Indices on 4 Programmes at Level 200 of a Public University in Ghana in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	29.92	1.66	2.23	0.16	2.23	0.00
B. Management Studies	47.06	2.94	1.21	1.13	1.21	0.00
B. Education (Primary)	36.36	8.08	0.69	0.89	0.69	1.52
B. Sc. Optometry	30.70	0.00	-	-	-	-

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme

ESC 6.5 Measuring Intersection through Indices on 4 Programmes at Level 300 of a Public University in Ghana in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	32.81	3.5	1.74	0.51	1.74	2.64
B. Management Studies	41.04	1.49	1.22	1.90	1.22	0.00
B. Education (Primary)	43.87	7.74	0.19	0.85	0.19	1.14
B. Sc. Optometry	18.18	0.00	-	-	-	-

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme

ESC 6.7 Measuring Intersection through Indices on 4 Programmes at Level 400 of a Public University in Ghana in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	27.12	4.07	1.13	0.62	1.14	0.76
B. Management Studies	41.33	1.11	0.55	1.08	0.55	4.24
B. Education (Primary)	44.44	11.11	0.41	0.98	0.41	1.13
B. Sc. Optometry	25.00	0.00	-	-	-	-

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme