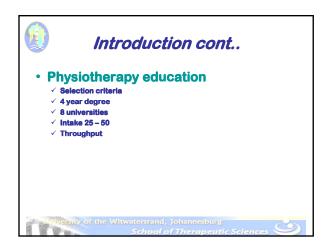
1st Southern African Conference on the First-Year Experience
Factors predicting success in physiotherapy
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Supervisor: Prof J Bruce: Department of Nursing

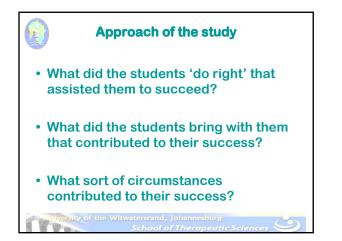




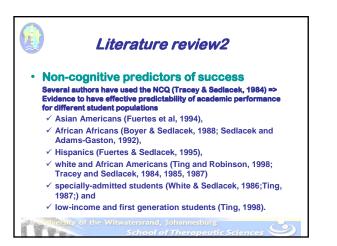
Year	Black	White	Total
1994	4 (11%)	34 (89%)	38
1995	4 (14%)	21 (86%)	25
1996	5 (14%)	32 (84%)	37
1997	1 (3%)	32 (97%)	33
1998	6 (16%)	32 (84%)	38
1999	7 (17%)	35 (83%)	42
2000	7 (14%)	44 (86%)	51
2001	7 (11%)	54 (89%)	61
2002	7 (12%)	51 (88%)	58
2003	5 (9%)	52 (91%)	57
2004	9 (21%)	35 (79%)	44
2005	12 (31%)	27 (69%)	39
TOTAL	74 (14%)	450 (86%)	523

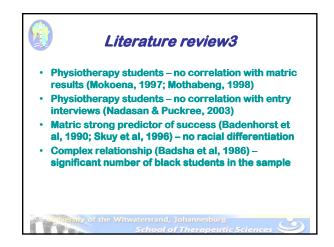
Year of graduation	Black graduates	Other graduates	Total graduate
2000	37 (23%)	125	162
2001	35 (16%)	186	221
2002	33 (12%)	249	282
2003	31 (10%)	269	300
2004	39 (17%)	186	225
2005	35 (15%)	203	238
TOTAL	210 (15%)	1218	1428

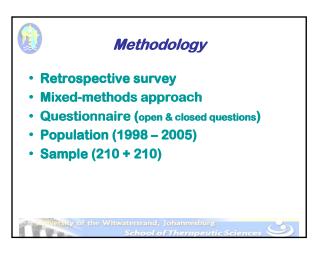
HWU HWU HBU HBU HWU HWU HWU HBU								HBU
Year								
1998	1	1	5	1	0	0	0	14
1999	2	5	8	6	0	0	0	13
2000	1	2	5	7	0	0	2	20
2001	2	3	3	4	0	2	0	20
2002	3	1	4	7	0	3	0	18
2003	5	3	1	11	0	1	0	16
2004	0	0	0	2	0	0	0	4
	14 (7%)	17 (8%)	26 (12%)	38 (18%)	0 (0%)	6 (3%)	2 (1%)	107 (51%)

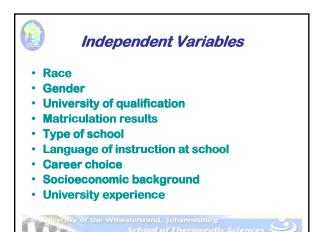


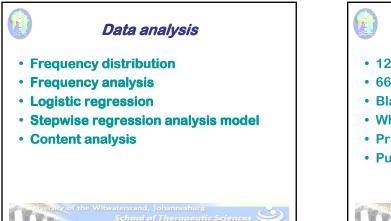


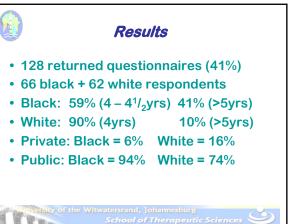


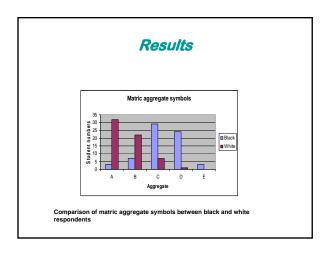










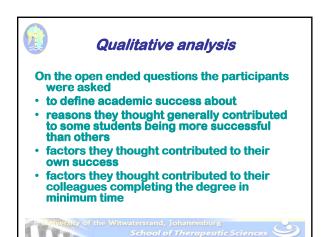


Variable	White graduates n = 62	Black graduates n = 66
	X ² = 1.27; p = 0.25	X ² = 0.40; p = 0.52
Gender	X ² = 0.08	; p = 0.76
Race	Odds ratio = 6.461 p = 0.00 CI = 2.43 - 17.12	Odds ratio = 0.155 p = 0.00 CI = 0.058 - 0.41
	X ² = 16.2	9; p = 0.00
Duration of study	Average = 4yrs	Average = 5yrs

Category				
Category	All respondents		Black	
	Variable	X² p	Variable	Х ² р
High School education	Aggregate symbol	18.85 0.00		3.41 0.57
	English	15.73 0.00		2.36 0.66
	Biology	12.19 0.03		8.11 0.08
	Language of instruction	10.46 0.03		2.31 0.67
Influence on career choice	Knowledge of community about physiotherapy	16.00 0.00	Physiotherapy as 1 st choice of career	4.24 0.03*
Source of information about the university	Parents attended the university	5.90 0.01		NS
Source of information about available support systems	Classmates	6.95 0.01	Classmates	6.10 0.01*
Accommodation	Own room at home	8.20 0.00	Shared residence room	4.51 0.03*
	Own room at university res	4.18 0.04		
Language policy	Lectures in home language	10.46 0.00	University	6.51 0.04*
University experience	Part of group	9.28 0.00	Part of the group	4.07 0.04*

Logistic regression results					
Independent variable	R ²	р			
First choice career	0.04	0.04*			
Information from classmates	0.07	0.02*			
Shared residence room	0.03	0.05*			
University language -	0.00	-			
Part of group	0.04	0.04*			

	Stepwise regression model						
variable	Odds ratio	p- value	Confidence interval				
Shared university room	5.913475	0.013	1.460888 - 23.9369				
Received information about support systems from classmates	25.77279	0.006	2.532159 - 62.3204				
Chose physiotherapy as the first choice	.1610977	0.009	.04131646281				





Qualitative findings	Quantitative findings	
Personal ambition	First choice career	 Fraser & Killen (2005) found that the 'success' items that bot lecturers and students ranked highly paint a picture of a self motivated, hard-working student who can lear independently, prepare well for examinations and who ha made a wise choice of course of study.
		•Similar findings were also reported by Fraser and Niema (1995) emphasizing the fact that self-discipline and self control should be regarded as two important variable impacting on the performance of students.
Language proficiency	University language	Jardine (1986) as cited by Toni and Olivier (2004) sees the South African black student as a victim of an education system which forces her/him to study in a language foreign to her. In most cases this student is penalized for an inability to effectively utilize the language in her academic endeavours.
		"English language was my problem as I was doing well in clinical work but struggling in writing theory"
		"In first year I did chemistry and physics in Afrikaans so language was major barrier to me. Second year was the same but even worse because I needed first year background so I dich't do well"

Relevant support	Information from classmates	Harmon and King's (1985) expert systems theory = successful college students are those who are in effect 'experts' at being successful as students at a specific university or college: theoretical and heuristic knowledge
	Shared residence room	•Studies conducted by Biai (1971) Ainsworth and Maynard (1976) Duncan da Stoner (1977) and Pascarella and Ternzini (1978) have provided consistent evidence that residential peer influence as well as on-campus academic environments have a significant effect on students' college achievements for both high- and low-aptitude college students.
		•Blimling and Hample (1979) have also found that students living in campus residence halls with structured emphases upon studying improve their academic performance in college.
		 Nettles et al (1986) found studies that are convincing in showing the positive effects of residential hall placement upon the performance of low- aptitude students when matched with roommates with high-aptitude students of similar personality type.
		 Tinto (1993) observed that residence halls provide scaled down environments that enable newcomers to find an early physical, social and academic anchor during the transition to college life.
		•Blimling (1993) cited abundant evidence that living in residence halls has a strong positive effect on student persistence in college although there is no evidence whether the persistence end up in success.
	Part of the group/integration	Integration into the group of fellow students is important in physiotherapy because physiotherapy training is about group work and partnership orientated and therefore a student needs to fit in the group or have a good working partnership to be able to learn successfully.







	All respondents		White	9
Category		X ² p	Variable	Х ² р
High School education	Aggregate symbol	18.85 0.00		NS
			Physical Science	10.98 0.05
	English	15.73 0.00		NS
	Biology	12.19 0.03		NS
	Language of instruction	10.46 0.03		NS
Influence on career choice	Knowledge of community about physiotherapy	16.00 0.00	Interest in the profession	5.72 0.02
Source of information about physiotherapy		NS	Family/friend	4.19 0.04
Source of information about the university	Parents attended the university	5.90 0.01	Internet	20.87 0.00
Source of information about available support systems	Classmates	6.95 0.01	Mentor	6.74 0.04
Accessed support systems		NS	Counselling	19.28 0.01
			Mentoring	5.79 0.03
			Student affairs	19.28 0.01
Source of funding		NS	Bursary	5.63 0.04

