

Student Intake and Pharmacy Graduates

Prof Patrick Demana

Acting Deputy Vice-Chancellor - SMU



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Introduction

- What is throughput?
- WHO ratio for pharmacist - 1:2300
- RSA ratio for pharmacist - 1:3849

Source: SAPC: Human Resources (2011)



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Importance

The White Paper for Post School Education and Training (2013) states

“improvement of undergraduate throughput rates is a key strategy for increasing graduate outputs, for providing the skills needed by the economy, and for ensuring that larger numbers of students are available for postgraduate study”



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Aims

- Understand student intake and pharmacy graduate rate in SA
- To provide possible interventions at Universities



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Methods

- South African Pharmacy Council - made a call to all 9 Schools
- Student Intake & Pharmacy Graduates (throughputs and demographics)
- BPharm four year period data - typical 2014 to 2018



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Results

Institution	Student Intake	Pharmacy Graduates	Percentage Graduates
UL	60	57	95.0%
SMU	44	43	97.7%
TUT	40	39	97.5%
NWU	161	104	64.6%
NMU	140	66	47.1%
Rhodes	172	144	83.7%
UWC	123	79	64.2%
Wits	77	88*	100%
UKZN	-	-	-
Total			



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Results

- **NWU – 35% not performing well**

14 dropped out + 43 Continued = 57 students

- **NMU - 53% not performing well**

13 dropped out + 13 changed course + 34 Continued +14 Still registered = 74 students



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Results - demographics

	UL	SMU	Wits	NWU	NMU	Rhodes	UWC
Africans	100%	91%	61%		54%	79%	66%
Indians	-	4.5%	33%		6%	15%	8%
Whites	-	4.5%	3%	94%	30%	5%	4%
Coloured	-	-	3%		10%	1%	22%



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Results - gender

	Male	Female
UL	47%	53%
SMU	57%	43%
Wits	30%	70%
NWU	19%	81%
NMU	37%	63%
Rhodes	32%	68%
UWC	29%	71%



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Limitations

- 1st year Registered students - repeating students included?
- Graduates – repeating students included?
- Drop out vs changing qualification
- Carry out modules in some institutions (skewed results)
- Graduation year for institutions
- Completion period to be clear



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Conclusions

- Relatively low throughput rates in most institutions
- The number of students registered is low
- Demographics (race) differ markedly in certain institutions
- Gender in student population is predominantly female



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Recommendations

- Standardize the collection of data for student intake and throughput
- All academic institutions to participate
- Interventions need to be done to increase student intake and throughput



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- South African Pharmacy Council
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