

AS MEN OF HONOUR
WE JOIN HANDS

ISSN 0331 - 670X

THE OFFICIAL ORGAN OF THE PHARMACEUTICAL SOCIETY OF NIGERIA



# Pharmacy Management:

Highlights

- World Pharmacist Day Symposium on Ebola
- Counter Prescribing
- Healthy Living through Positive Mental Attitude
- Poster Session Abtracts

dissing Link to Successful Professional

**Development in Nigeria** 

Improve your brain power





with

hovid DHA Emulsion

for

- **Proper Brain Development:**
- Improved Learning Ability
- Improved Memory

Daily Intake Recommended by National Institute onceny

# ORIGINAL RESEARCH



BARRIERS TO MEDICATION COUNSELING

in Community Pharmacies in Lagos South west Nigeria.

Wale T Ajiboye Fola Tayo, Bola A Aina and Abdulganiyu Giwa Department of Clinical Pharmacy and Biopharmacy Faculty of Pharmacy University of Lagos, Lagos State Nigeria West African Postgraduate College of Pharmacy Yaba, Lagos Department of Clinical Pharmacy and Pharmacy Practice Faculty of Pharmacy University of Ilorin, Kwara State Nigeria

> Author for correspondence Phone: 08025887714 Email: ajiboyewale67@yahoo.com

## ABSTRACT Background

pharmacists' perceived barriers to counselling area. medication counselling and strategies that can be used to improve the Conclusion practice.

## Methods

Self-completed questionnaires were community pharmacies. distributed to 265 community pharmacists in 224 selected Keywords: medication counselling, pharmacies in Nigeria have identified South West Nigeria.

## Results

by lack of medication counselling aids through which the pharmacist can service delivery.7 information sources were rated high-

improve both the selection and use of Pharmacists with post-graduation are well documented.3. OTC medications, and the use of education significantly rated 'lack of Community Pharmacists have the prescription medications in the compensation for medication responsibility to protect the public community pharmacy. Studies have counselling' higher than their from the dangers of self medication demonstrated deficiencies in colleague with basic education (p- through provision of adequate provision of medication in 003). The topmost strategies medication counseling. The WHO community pharmacies in developing recommended by community recognizes the key role of community countries but most of the studies did pharmacists for improving pharmacists in use of medicines and not identify factors responsible for medication counselling included public health. It emphasizes their the observed practice. The aim of this practical training on medication responsibility to provide informed study was to identify community counselling and provision of and objective advice on medicines

Workload and lack of medication communities where they serve as the counselling aids are major barriers to point of call on health related issues medication counselling practice in for a greater percentage of the

community pharmacies in Lagos State barriers, community pharmacists, deficiency in advice provision and community pharmacy

### INTRODUCTION

as barriers to medication counselling. medication by improving adherence Rating of two of the barriers to and reducing drug related problems'. The provision of medication medication counselling were related The therapeutic and economic counselling has the potential to to pharmacists background- benefits of medication counselling

and their use. 4

In Nigeria, community pharmacies are present in most urban population. Previous studies on professional practice in community supply of medicines. 5,6 However, little is known about what constitute barriers to medication counselling A response rate of 84.5% was The provision of medication practice in community pharmacies, obtained. Most of the respondents counselling has the potential to especially from the perspective of (52%) had more than 10 years post- improve the selection and use of both community pharmacists. The opinion graduation experience and few (19%) prescription and OTC medications in of practitioners is an important data possessed postgraduate education. the community pharmacy, source that could be used to develop Workload in the pharmacy followed Medication counselling is an avenue appropriate intervention to improve

and lack of appropriate drug help the patient maximize benefits of The aim of this study was to examine

of what constitute barriers to medication counselling in the community pharmacy. Suggestions on strategies to improve counselling practice were also explored.

# METHODS

This study was conducted in Lagos State, the commercial capital of Nigeria. A list of registered

was obtained from the Pharmacists' were then selected using simple Council of Nigeria, which showed that random sampling method. A self a total number of 448 pharmacies completed questionnaire was were registered. No comprehensive developed after thorough literature list of community pharmacists and search. The questionnaire included a confidence interval using the with 1 representing 'no influence' and

community pharmacists' perception community pharmacies in Lagos State Fischer's formula.\* The pharmacies their place of work was available list of barriers to medication hence pharmacies were taken as the counseling and strategies to improve unit of sampling. Sample size of 207 medication counselling practice. pharmacies was estimated from a Pharmacists were expected to rate target population of 448 at 95% each of the barriers on a scale of 1-5

Table 1: Demographic profile of community pharmacists

Table 1: Demographic profile of	Frequency (Percentage)
emographic data	
ears of experience	
1 – 10 years	101 (48)
	53 ( 25 )
11- 20 years	58 ( 27)
= 21 years	58 (27)
Pharmacists Status	
Pharmacy Owner	152 (70)
	48 (22)
Staff pharmacist	16 (8)
Locum pharmacist	10 (0)
Location where pharmacists practice	
	37 (16)
Rural	187 (84)
Urban	
Pharmacy Type	
Independent	177 (79)
	47 (21)
Multiple ( = 2)	
Educational qualification	
1st Degree (B.Pharm) only	177 (81)
	43 ( 19)
Postgraduate qualification(s)	

# ORIGINAL RESEARCH

Table 2: Pharmacists' rating of barriers to medication counseling practice

Barriers To Medication Counselling	Mean Rating ± SD
Workload in the pharmacy	3.30±1.236
Lack of medication counseling aids	2.90±1.376
Lack of appropriate drug information source/reference books	2.89±1.514
Lack of private counseling area	2.83±1.484
Lack of expertise in medication counseling	2.78±1.148
Low expectations or lack of patient demand for counseling	2.66±1.467
Lack of compensation for counseling service	2.49±1.417
Lack of interest in medication counseling	2.45±1.257

2.34; p-0.003). Pharmacists with p-0.007).

Rating of two barriers to counselling Community Pharmacists practicing in postgraduate education perceived (lack of demand by patients and lack rural areas considered lack of patient lack of compensation for counselling of compensation for counselling) demand for counselling to be barriers as a barrier to counselling more than were significantly related to more significantly than their their counterparts without pharmacists' background. counterparts in urban areas (3.00 vs postgraduate education (3.02 vs 2.36;

Table 3: Pharmacists' rating of strategies to improve medication counseling practice

Strategies To Improve Medication Counselling Practice	Mean Rating
1.Practical training on medication counseling	4.28±0.98
2.Provision of counseling area	4.20±1.06
3.Availability of drug specific counseling guide/aids	4.08±1.07
4. Greater support from pharmacy management for counseling activities	3.97±1.07
5. Stricter regulation that makes it mandatory for pharmacists to counsel patients	3.74±1.21
6.Increased staffing in pharmacy	3.60±1.34
7.Compesation for counseling	3.42±1.44

# ORIGINAL RESEARCH

higher rating to this barrier compared strategies to improve medication education. This may be due to a rational drug use 15. community pharmacies.

pharmacists include practical training counseling to their clients. on medication counseling, provision of counseling area and availability of CONCLUSION: drug specific counseling guide/aid. Workload in the pharmacy, lack of This result is consistent with that counselling guide and lack of obtain by O'Donnnell 14, and also appropriate information sources are shows consistency in what major barriers to medication pharmacists cited as barriers and counselling in community what they also think will be the pharmacies.

to their counterpart in urban area, counseling practice in community This may suggest that clients in rural pharmacies, especially with respect areas usually do not demand for to the availability of medication counselling or show no interest in counselling aids which can be used as receiving it from the pharmacists. source of reference when counseling Community pharmacists with patient. The use of Standard postgraduate education considered Treatment Guideline (STGs), Clinical lack of compensation for counselling Policies, Treatment Protocols or Bestmore as a barrier than their Practice Guidelines, all have counterpart with basic pharmacy considerable potentials to promote

general believe that the more This study being the first to obtain educated you are the more your perspective of community earning should be. Additional pharmacists in Nigeria on barriers to education may also have posited medication counseling and strategies these pharmacists to be more apt to to improve it should provide a provide medication counselling, baseline data for action by all relevant hence affirming their position that stakeholders. The call for practical this effort should be compensated. training on medication counseling by There seems to be consistency in the community pharmacists is an way pharmacists with postgraduate important issue that should be education rated the issue of considered by pharmacy regulatory 'compensation for counselling' both bodies concerned with the basic and as a barrier to counselling and as a continuing education of pharmacists. strategy to improve counselling. The result from this study supports Pharmacists with postgraduate the need to revisit the basic education still rated 'compensation pharmacy education curriculum, with for counselling' as a strategy to emphasis on incorporating more improve medication counselling practical training on medication higher than their counterpart with counseling. The result also supports basic education. This may suggest the establishment of procedures for that compensation for counselling is development, dissemination, and an issue that could be looked into by utilization of national (community regulated authorities to improve pharmacy specific) standard medication counselling in the treatment guidelines/best practice guidelines. This will go a long way to Topmost strategies to improve enhance community pharmacists' medication counseling mentioned by confidence in providing medication

## REFERENCES

- Giwa, A, Giwa HBF, Yakubu Si Ajiboye WT, Abubakar D Danjuma NM, Ezenwa J Pharmacists' roles in optimizing pharmaceutical care for HIV/AIDS patients in University of Maiduguri Teaching Hospital, North Eastern Nigeria Journal of Pharmacology and Tropical Therapeutics 2011; 1 (2) 28-32.
- Melissa, MD: Patient counselling: A Pharmacist in every OTC Aisle. US Pharmacist 2010; 35(4): (OTC Trend Suppl):9-12.
- Murray, MD : Medication Instruction by pharmacists: Making good on an offer. New England Journal of Medicine 2007; 68(5):343-345.
  - FIP: Good Pharmacy Practice in Developing Countries. Recommendation for Stepwise Implementation. Report of a working group. The Hague. International Pharmaceutical Federation ; Available at www.fip.org. Accessed Oct 2012.
  - Oparah AC, Enato EFO and Odili UV : Activities of community pharmacy counter staff in Benin City, Nigeria. Journal of Social and Administrative Pharmacy 2002; 19:141-144.
  - Oladipo OB and Lamikanra A : Patterns of antibiotic purchases in community pharmacies in south western, Nigeria. Journal of Social and Administrative Pharmacy 2002; 19:33-38.
- Shah B and Chewning B: Conceptualizing and measuring pharmacist-patient communication; a review of published studies. Research in Social & Administrative

- Pharmacy 2006; 2:153-185.
- 8. Araoye MO: Text Books of Research Methodology with 15. Statistics for Health and Social Scientists. Nathadex, First Edition 2003.
- Nasir TW, Raju NJ and Angamo MT: Knowledge, attitude and practice of patient medication counselling among drug dispensers in North West Ethiopia. Journal of Applied Pharmaceutical Science 2011; 1(7):85-90.
- 10. Tully MP, Gyllenstrand-Beckman A and Bernsten CB: Factors predicting poor counselling about prescription medicines in Swedish community pharmacies. Patient Education and Counselling 2010; 18 (1);3-6.
- Adepu R and Nagavi BG: Attitude and behaviors of practicing community pharmacists towards patient counselling. Indian Journal of Pharmaceutical Sciences 2009; 71(3): 285-289.
- 12. Svarstad BL, Bultman DC and Mount JK: Patient counselling provided in community pharmacies: Effect of state regulation, pharmacist age, and busyness. Journal of American Pharmacy Association 2004; 44(1):22-29.
- Katajavuori NM, Valtonen SP, and Pietila KM: Myths behind patient counselling: A Patient Counselling Study of Nonprescription Medicines in Finland. Journal of Social and Administrative Pharmacy 2002; 19 (4): 129-135.
- 14. O'Donnell D, Brown CM and
  Dastani HB: Barriers to
  counselling patients with

Pharmacists Association 2006; 46(4) 465-471.

smith F: Private local pharmacies in low- and middle-income countries: a review of interventions to enhance their role in public health. Tropical Medicine and international Health 2009,14(3):362-372.

The rating of one of the strategies to DISCUSSION: improve counselling practice was The result of this study shows that perceive 'lack of patient demand for related to pharmacists' background. workload in the pharmacy, followed counseling' as a major barrier as it Community pharmacists with by lack of medication counseling aids, received the lowest rating compared different educational qualification and lack of appropriate drug to other barriers. This is different rated 'compensation for counseling information sources/references were from the report by Katajavuori 13 who service' differently. Pharmacists with the top most barriers to medication said most pharmacists perceived 'lack postgraduate education rated this strategy significantly higher than their counterpart with basic the report of Nasir et al and Tully et Pharmacists in the rural areas pharmacy education (3.83 vs 3.31; p- al.10 Workload is a frequently cited significantly differ in their perception 0.036).

counseling practice in community of patient demand' as a barrier to pharmacies. This is consistent with medication counseling.

community pharmacists did not

influencing practitioner- of 'lack of patient demand for patient relationship. 11,12 However, counseling 'as a barrier to medication counseling practice. They gave a

