

Free Full Text from Publisher

Full Text from Publisher



Save to EndNote online

Add to Marked List

1 of 1

## Evaluation of Out-Patient Care Educational Environment of National Defence University, Malaysia utilizing the ACLEEM Inventory

By: **Haque, M** (Haque, Maimun)<sup>[1]</sup>; **Othman, NSAB** (Othman, Nur Syamirah Aishah Binti)<sup>[1]</sup>; **Lutfi, SNN** (Lutfi, Siti Nur Najihah)<sup>[1]</sup>; **Islam, MZ** (Islam, Md Zakirul)<sup>[2]</sup>; **Rahmam, NAA** (Rahmam, Nor Azlina A.)<sup>[3,4]</sup>; **Kibria, GM** (Kibria, Golam Mohammad)<sup>[1]</sup>; **Haque, ATME** (Haque, A. T. M. Emdadul)<sup>[5]</sup>; **Majumder, MAA** (Majumder, Md Anwarul Azim)<sup>[6]</sup>; **Gnanou, JV** (Gnanou, Justin V.)<sup>[1]</sup>

JOURNAL OF BASIC AND CLINICAL HEALTH SCIENCES

Volume: 2 Issue: 2 Pages: 45-52

DOI: 10.30621/jbachs.2018.412

Published: MAY 2018

Document Type: Article

### Abstract

Purpose: A friendly educational environment is required for optimal learning, and students should be asked to provide feedback on their experiences to improve curriculum. Moreover, students' academic progress, mental growth, and physical well-being are influenced by the educational and clinical environment of the institute. Essential constituents of the educational climate include atmosphere, number of proper teaching-learning sessions and available amenities. Primary health care and ambulatory settings allow students ample opportunities to interact with patients and observe health promotional activities more often practiced at the community levels. The study aims to evaluate the outpatient care educational environment of National Defense University of Malaysia by seeking feedback from medical students using Ambulatory Care Educational Environment Measure (ACLEEM) instrument.

Methods: This was a cross-sectional study. The study participants were medical students of the earlier mentioned university. The universal sampling method was adopted. The ACLEEM validated instrument was utilized for the data collection. The instrument was developed on the basis of 5-point Likert Scale (Minimum: 0, and Maximum: 4).

Results: The response rate 100%. Most respondents were male, Malay and Muslim. The total mean score was 1.0 +/- 0.4. The domain mean scores for clinical teaching, clinical training, and support were 0.8 +/- 0.4, 1.1 +/- 0.4, and 1.1 +/- 0.5, respectively.

Conclusions: The ACLEEM questionnaire was found to be valid and reliable for local UPNM, Malaysian context. However, the overall ACLEEM scores reported for the present study is low, and some areas that could be improved. The UPNM authority should take appropriate measures to improve the educational environment to enhance the academic experiences of the medical students.

### Keywords

**Author Keywords:** ACLEEM; Medical Students; Outpatient setting; Primary health care; Educational environment

**KeyWords Plus:** LEARNING-ENVIRONMENT; AGE-IDENTITY; VALIDATION; INSTRUMENT; TRAINEES

### Author Information

**Reprint Address:** Haque, M (reprint author)

+ Natl Def Univ Malaysia, Univ Pertahanan Nas Malaysia, Fac Med & Def Hlth, Kuala Lumpur 57000, Malaysia.

#### Addresses:

+ [ 1 ] Natl Def Univ Malaysia, Univ Pertahanan Nas Malaysia, Fac Med & Def Hlth, Kuala Lumpur 57000, Malaysia

[ 2 ] Eastern Med Coll, Dhaka 3520, Burichang, Bangladesh

+ [ 3 ] Int Islamic Univ Malaysia, Kulliyah Allied Hlth Sci, Jalan Sultan Ahmad Shah, Bandar Indera Mahkota 25200, Kuantan, Malaysia

[ 4 ] Dept Basic Hlth, Kuantan, Malaysia

+ [ 5 ] Univ Kuala Lumpur, Royal Coll Med Perak, Fac Med, Dept Med Educ, 3 Jalan Greentown, Ipoh 30450, Malaysia

[ 6 ] Univ West Indies, Fac Med Sci, Cave Hill Campus, Bridgetown, Barbados

### Citation Network

In Web of Science Core Collection

0

Times Cited

Create Citation Alert

35

Cited References

[View Related Records](#)

### Use in Web of Science

Web of Science Usage Count

0

Last 180 Days

0

Since 2013

[Learn more](#)

This record is from:

Web of Science Core Collection

- Emerging Sources Citation Index

**Suggest a correction**

*If you would like to improve the quality of the data in this record, please suggest a correction.*

E-mail Addresses: [runurono@gmail.com](mailto:runurono@gmail.com)**Publisher**

AVES PRESS LTD, C/O EDWARD C DICKINSON, FLAT 3, BOLSOVER COURT, 19 BOLSOVER RD, EASTBOURNE, BN20 7JG, ENGLAND

**Categories / Classification**

Research Areas: Health Care Sciences &amp; Services



Web of Science Categories: Health Care Sciences &amp; Services

**See more data fields**

◀ 1 of 1 ▶

**Cited References: 35**Showing 30 of 35 [View All in Cited References page](#)

(from Web of Science Core Collection)

1. [Evidence for Health II: Overcoming barriers to using evidence in policy and practice](#) Times Cited: **11**  
 By: Andermann, Anne; Pang, Tikki; Newton, John N.; et al.  
 HEALTH RESEARCH POLICY AND SYSTEMS Volume: 14 Article Number: 17 Published: MAR 14 2016
2. [Gendered experiences in midlife: Implications for age identity](#) Times Cited: **45**  
 [Associated Data](#)  
 By: Barrett, AE  
 JOURNAL OF AGING STUDIES Volume: 19 Issue: 2 Pages: 163-183 Published: MAY 2005
3. [Embracing multiple definitions of learning](#) Times Cited: **11**  
 By: Barron, Andrew B.; Hebets, Eileen A.; Cleland, Thomas A.; et al.  
 TRENDS IN NEUROSCIENCES Volume: 38 Issue: 7 Pages: 405-407 Published: JUL 2015
4. [Age and the life course](#) Times Cited: **164**  
 By: Bernice, Neugarten; Hagestad, Gunhild O.  
 HDB AGING SOCIAL SCI Pages: 35-61 Published: 1976  
 Publisher: Van Nostrand Reinhold, New York
5. [Cronbach's alpha](#) Times Cited: **1,666**  
 By: Bland, JM; Altman, DG  
 BRITISH MEDICAL JOURNAL Volume: 314 Issue: 7080 Pages: 572-572 Published: FEB 22 1997
6. [Attributes of age-identity](#) Times Cited: **38**  
 [Associated Data](#)  
 By: Bowling, A; See-Tai, S; Ebrahim, S; et al.  
 AGEING & SOCIETY Volume: 25 Pages: 479-500 Part: 4 Published: JUL 2005
7. [Development of an instrument to measure the surgical operating theatre learning environment as perceived by basic surgical trainees](#) Times Cited: **46**  
 By: Cassar, K  
 MEDICAL TEACHER Volume: 26 Issue: 3 Pages: 260-264 Published: MAY 2004
8. [What is learning? On the nature and merits of a functional definition of learning](#) Times Cited: **56**  
 By: De Houwer, Jan; Barnes-Holmes, Dermot; Moors, Agnes  
 PSYCHONOMIC BULLETIN & REVIEW Volume: 20 Issue: 4 Pages: 631-642 Published: AUG 2013
9. [Outpatient Educational Environment of Dental-Medical Colleges of Bangladesh Utilizing ACLEEM Questionnaire](#) Times Cited: **1**  
 By: Faruque, M; Haque, M; Islam, S; et al.  
 J Global Pharm Tech Volume: 09 Pages: 41-47 Published: 2017  
[\[Show additional data\]](#)

10. **AMEE Medical Education Guide No. 23 (Part 1): Curriculum, environment, climate, quality and change in medical education - a unifying perspective** Times Cited: 175  
By: Genn, JM  
MEDICAL TEACHER Volume: 23 Issue: 4 Pages: 337-344 Published: JUL 2001
11. **Development and validation of the anaesthetic theatre educational environment measure (ATEEM)** Times Cited: 45  
By: Holt, MC; Roff, S  
MEDICAL TEACHER Volume: 26 Issue: 6 Pages: 553-558 Published: SEP 2004
12. **The impact of Greek university students' perceptions of their learning environment on approaches to studying and academic outcomes** Times Cited: 28  
By: Karangiannopoulou, E.; Christodoulides, P.  
International Journal of Educational Research Volume: 43 Pages: 329-350 Published: 2005
13. **The current provision of community-based teaching in UK medical schools: an online survey and systematic review** Times Cited: 4  
By: Lee, Sandra W. W.; Clement, Naomi; Tang, Natalie; et al.  
BMJ OPEN Volume: 4 Issue: 12 Article Number: e005696 Published: 2014
14. **Trends in medical education: challenges and directions for need-based reforms of medical training in South-East Asia.** Times Cited: 27  
By: Majumder, Anwarul Azim; D'Souza, Urban; Rahman, Sayeeda  
Indian journal of medical sciences Volume: 58 Issue: 9 Pages: 369-80 Published: 2004-Sep
15. **YOU'RE ONLY AS OLD AS YOU FEEL - SELF-PERCEPTIONS OF AGE, FEARS OF AGING, AND LIFE SATISFACTION FROM ADOLESCENCE TO OLD-AGE** Times Cited: 173  
By: MONTEPARE, JM; LACHMAN, ME  
PSYCHOLOGY AND AGING Volume: 4 Issue: 1 Pages: 73-78 Published: MAR 1989
16. **Learning environment, motivation and interest: Perspectives on self-determination theory** Times Cited: 29  
By: Muller, FH; Louw, J  
SOUTH AFRICAN JOURNAL OF PSYCHOLOGY Volume: 34 Issue: 2 Pages: 169-190 Published: JUN 2004
17. **Psychometric analysis of the ambulatory care learning education environment measure (ACLEEM) in Iran.** Times Cited: 1  
By: Naghizadeh Moogari, Zahra; Koochpayehzadeh, Jalil; Roff, Susanne; et al.  
Medical journal of the Islamic Republic of Iran Volume: 29 Pages: 299 Published: 2015
18. **Psychometric properties of the Persian version of the Ambulatory Care Learning Educational Environment Measure (ACLEEM) questionnaire, Shiraz, Iran** Times Cited: 1  
By: Parvizi, Mohammad Mahdi; Amini, Mitra; Dehghani, Mohammad Reza; et al.  
ADVANCES IN MEDICAL EDUCATION AND PRACTICE Volume: 7 Pages: 559-566 Published: 2016
19. **Microteaching, an efficient technique for learning effective teaching** Times Cited: 20  
By: Remesh, Ambili  
JOURNAL OF RESEARCH IN MEDICAL SCIENCES Volume: 18 Issue: 2 Pages: 158-163 Published: FEB 2013
20. **Sociology of age** Times Cited: 66  
By: Riley, Matilda W.; Foner, Anne; Waring, Joan.  
HDB SOCIOLOGY Pages: 243-290 Published: 1988  
Publisher: Sage Publications, Newbury Park, CA
21. **Development of ACLEEM questionnaire, an instrument measuring residents' educational environment in postgraduate ambulatory setting** Times Cited: 8  
By: Riquelme, Arnoldo; Padilla, Oslando; Herrera, Cristian; et al.  
MEDICAL TEACHER Volume: 35 Issue: 1 Pages: E838-E843 Published: 2013
22. **Development and validation of an instrument to measure the postgraduate clinical learning and teaching educational environment for hospital-based junior doctors in the UK** Times Cited: 125  
By: Roff, S; McAleer, S; Skinner, A  
MEDICAL TEACHER Volume: 27 Issue: 4 Pages: 326-331 Published: JUN 2005
23. **Development and validation of the Dundee Ready Education Environment Measure (DREEM)** Times Cited: 245  
By: Roff, S; McAleer, S; Harden, RM; et al.

MEDICAL TEACHER Volume: 19 Issue: 4 Pages: 295-299 Published: DEC 1997

24. **A Study of Learning Environments in the Kulliyah (Faculty) of Nursing, International Islamic University Malaysia** Times Cited: **21**  
By: Said, Nurumal Mohd; Rogayah, Jaafar; Hafizah, Arzuman  
MALAYSIAN JOURNAL OF MEDICAL SCIENCES Volume: 16 Issue: 4 Pages: 15-24 Published: OCT-DEC 2009
25. **Development and Validation of the Scan of Postgraduate Educational Environment Domains (SPEED): A Brief Instrument to Assess the Educational Environment in Postgraduate Medical Education** Times Cited: **6**  
[Associated Data](#)  
By: Schonrock-Adema, Johanna; Visscher, Maartje; Raat, A. N. Janet; et al.  
PLOS ONE Volume: 10 Issue: 9 Article Number: e0137872 Published: SEP 28 2015
26. **The measurement of age, age structuring, and the life course** Times Cited: **220**  
By: Settersten, RA; Mayer, KU  
ANNUAL REVIEW OF SOCIOLOGY Volume: 23 Pages: 233-261 Published: 1997
27. **The Impact of Primary Care: A Focused Review** Times Cited: **31**  
By: Shi, Leiyu  
SCIENTIFICA Article Number: 432892 Published: 2012
28. **What is teaching?** Times Cited: **2**  
By: Smith, MK.  
The Encyclopedia of Informal Education Published: 2016  
Available at Accessed September 2, 2017  
URL: <http://infed.org/mobi/what-is-teaching/>
29. **Teaching rounds - Teaching in an ambulatory care setting** Times Cited: **5**  
By: Sprake, Caroline; Cantillon, Peter; Metcalf, Jane; et al.  
BRITISH MEDICAL JOURNAL Volume: 337 Issue: 7671 Article Number: a1156 Published: SEP 20 2008
30. **Clinical learning environment measurement for medical trainees at transitions: relations with socio-cultural factors and mental distress** Times Cited: **8**  
By: Tsai, Jer-Chia; Chen, Cheng-Sheng; Sun, I-Feng; et al.  
BMC MEDICAL EDUCATION Volume: 14 Article Number: 226 Published: OCT 21 2014

Showing 30 of 35 [View All in Cited References page](#)

Clarivate

Accelerating innovation

© 2019 Clarivate [Copyright notice](#) [Terms of use](#) [Privacy statement](#) [Cookie policy](#)

Sign up for the Web of Science newsletter [Follow us](#)

