

Impact of Health Literacy on Multiple Patient Variables: A Single-Center Observational Study in Lebanon

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Main Information

Primary registry identifying number

LBCTR2023065377

MOH registration number

Study registered at the country of origin

Type of registration

Prospective

Date of registration in national regulatory agency

14/06/2023

Primary sponsor

No sponsor

Date of registration in primary registry

19/09/2023

Public title

Impact of Health Literacy on Multiple Patient Variables: A Single-Center Observational Study in Lebanon

Scientific title

Impact of Health Literacy on Multiple Patient Variables: A Single-Center Observational Study in Lebanon

Brief summary of the study: English

The aim of this study is to assess health literacy among patients receiving care at Lebanese American University Medical Center -Rizk Hospital and to investigate its impact on several patient outcomes. Health literacy refers to an individual's capacity to obtain, understand, evaluate and apply health information and services in order to make informed decisions about their own healthcare. Poor health literacy is being increasingly recognized in the medical literature as a predictor of health-related outcomes such as more frequent use of emergency care and hospitalizations, adverse drug events and medication errors, inadequate knowledge of antibiotic use and antibiotic resistance resulting in misuse, and poorer quality of life; making it a major public health matter. Research on this topic in Lebanon has only just started to emerge with only two studies having assessed and published results on health literacy in Lebanese samples. None of those studies, however, explored health literacy's effect on health-related outcomes. As such, this cross-sectional study seeks not only to report the level of health literacy in our patient population, but also to evaluate its effect on the following patient outcomes: quality of life, increased need for health services, adverse drug events, antibiotic misuse, and adequacy of antibiotic knowledge. Data was collected via face-toface interviews using a questionnaire. These findings will help improve and tailor our patient education practices to target inadequacies in the health literacy of our patient population.

Protocol number

N/A

Study registered at the country of origin: Specify

Type of registration: Justify

N/A

Primary sponsor: Country of origin

No sponsor

Date of registration in national regulatory agency

14/06/2023

Acronym

Acronym



Brief summary of the study: Arabic

الهدف من هذه الدراسة هو تقييم مستوى التنور الصحى (أو الثقافة الصحية) لدى المرضى المستفيدين من خدمات المركز الطبي للجامعة اللبنانية الأمريكية - مستشفى رزق، وتقدير تأثيره على النتائج المتعلقة بسلامة وصحة هؤلاء المرضى. يقصد بالتنور الصحى قدرة الفرد على الحصول على المعلومات والخدمات الصحية وفهمها وتقييمها وتطبيقها لاتخاذ قرارات بشأن صحته و علاجه، تشير الدراسات إلى أن التنور الصحي المنخفض يعكس نتائج صحية سلبية مثل الحاجة المتكررة لخدمات الطوارئ والاستشفاء، والأثار الجانبية للأدوية والأخطاء الدوائية، والمعرفة المنعيفة بالمضادات الحيوية مما يؤدي إلى سوء استخدامها، وتدني وجودة الحياة. بدأت البحوث حول هذا الموضوع في لبنان حيث قامت دراستان بتقييم ونشر النتائج حول التنور الصحي لدى المرضى اللبنانيين. ومع ذلك، لم تدرس أي من تلك الدرسات تأثير الصحي على النتائج الصحية. لذلك، تهدف هذه الدراسة إلى الإبلاغ عن مستوى التتقيف الصحي في عينة المرضى لدينا، كذلك تسعى إلى تقييم تأثير ها على النتائج التالية للمرضى: جودة الحياة، زيادة الحاجة الخدمات الصحية، الأحداث والأخطاء الدوائية، سوء استخدام المضادات الحيوية، ومستوى المع المرضى المنصادات الحيوية، ومستوى الثقافة الصحية المرضى بالمضادات الحيوية. تم جمع المعلومات من خلال مقابلات مع المرضى. ستساعد نتائج هذا المشروع في مستوى الثقافة الصحية المرضى الوثنيفها لاستهداف أوجه القصور في مستوى الثقافة الصحية المرضان

Health conditions/problem studied: Specify

No specific health condition or problem was set as inclusion criteria (included were noncritically ill inpatients at LAUMC-RH)

Interventions: Specify

No intervention was performed. A face-to-face interview was conducted using a questionnaire.

Key inclusion and exclusion criteria: Inclusion criteria

- -Aged 18 years or older
- -Provided informed consent

Key inclusion and exclusion criteria: Specify gender

Key inclusion and exclusion criteria: Specify gender

Both

Key inclusion and exclusion criteria: Age minimum Key inclusion and exclusion criteria: Age maximum

100

Key inclusion and exclusion criteria: Exclusion criteria

- -Has cognitive impairment or an altered mental status at the time of the study
- -Is critically ill
- -Does not speak Arabic or English

Type of study

Observational

Type of intervention Type of intervention: Specify type

N/A N

Trial scope Trial scope: Specify scope

N/A N/A

Study design: Allocation Study design: Masking

N/A N/A

Study design: Control Study phase

N/A

Study design: Purpose Study design: Specify purpose

A

Study design: Assignment Study design: Specify assignment

IMP has market authorization IMP has market authorization: Specify

Name of IMP Year of authorization Month of authorization



Type of IMP Pharmaceutical class Therapeutic indication Therapeutic benefit Study model Study model: Explain model Other Single-center observational cross-sectional study. The subjects were recruited from the inpatient settings at LAUMC-RH. Patients staying at the hospital were approached and screened for Study model: Specify model eligibility, after which data of interest will be collected through face Cross-sectional -to-face interviews using a questionnaire. Informed consent will be sought prior to conducting the interview and after explaining the purpose of the study and stating that all data will be treated confidentially and that withdrawal from the study would be possible at any time. Two copies of the informed consent form will be handed to the patient stating the purpose of the study and providing the contact information of the principal investigators and the LAU institutional review board (IRB) office. One copy is to be signed and returned to the interviewer and another is to remain with the participant for future reference. Time perspective: Explain time perspective Time perspective Prospective The study took place from November till May. Time perspective: Specify perspective N/A Target follow-up duration Target follow-up duration: Unit N/A Number of groups/cohorts Biospecimen retention Biospecimen description None retained N/A Target sample size Actual enrollment target size 100 135 Date of first enrollment: Date Date of first enrollment: Type

Actual

Actual

Date of study closure: Type

15/11/2022

Date of study closure: Date

31/05/2023



Recruitment status	Recruitment status: Specify
Complete	
Date of completion	
31/05/2023	
IPD sharing statement plan	IPD sharing statement description
No	N/A
Additional data URL	
Admin comments	
Trial status	
Approved	
Secondary Identifying Numbers	
lo Numbers	
Sources of Monetary or Material Support	
lo Sources	
Secondary Sponsors	
lo Sponsors	



Contact for Public/Scientific Queries						
Contact type	Contact full name	Address	Country	Telephone	Email	Affiliation
Public	Katia El Harake	Ashrafiyeh, Beirut	Lebanon	76700599	katia.elharake@l au.edu	Lebanese American University - LAUMC- RH
Scientific	Hanine Mansour	Blat, Byblos	Lebanon	76731512	hanine.mansour @lau.edu.lb	Lebanese American University

Centers/Hospitals Involved in the Study			
Center/Hospital name	Name of principles investigator	Principles investigator speciality	Ethical approval
Lebanese American University Medical Center - Rizk Hospital	Katia El Harake, Hanine Mansour, Soumana Nasser, Elsy Ramia	Pharmacists	Approved

Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone
Lebanese American University- University Medical Center Rizk Hospital	14/09/2022	Joseph Stephan	irb@lau.edu.lb	01786456 ext. (2546)

Countries of Recruitment
Name
Lebanon

Health Conditions or Problems Studied

No Problems Studied

Interventions

No Interventions



Primary Outcomes			
Name	Time Points	Measure	
Health literacy level	At time of interview	European Health Literacy Survey Questionnaire— modified short version "HLS-EU-Q16"	

Key Secondary Outcomes			
Name	Time Points	Measure	
Quality of life	At time of interview	EQ-5D-5L questionnaire	
Antibiotic consumption practices and knowledge about antibiotics	At time of interview	Questions adapted from the WHO validated antibiotic resistance: multi-country public awareness survey	
Health services used in the previous year	At time of interview	Number of doctor visits, hospital admissions, emergency department visits per patient report	
Adverse drug events in the previous year	At time of interview	Number of adverse drug events per patient report	

Trial Results	
Summary results	
Study results globally	
Date of posting of results summaries	Date of first journal publication of results
Results URL link	
Baseline characteristics	
Participant flow	
Adverse events	
Outcome measures	
URL to protocol files	