



Life of adaption among Old Adults in Nineveh Governorate

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Abstract:

Background: older adults (94%) live independently in the community, whereas about (6%) live in institutions. The aim of the study is to assess Life of adaption among Old Adults in Nineveh Governorate.

Material and method: The non-experimental approach and descriptive type are used in this study. The study is applied on three hospitals (Ibn-Sena Teaching Hospital, Al-Zahrawee Teaching Hospital and Al Salm Teaching Hospital), some primary health care centers, and public clinics in Mosul City.

Results: The finding shows that there is a significant statistical interrelationship in health-related Life of adaption.

Conclusion: The study concluded that the Elderly's Life of adaption were affected by their demographic characteristic (age, sex, marital status, level of education, and type of disease).

Keywords: Life of adaption, Old Adults.

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Introduction:

Approximately 31 million older adults in the United States constituting about 12.7 % of the population . In 1992 , the 65-74 years Included 18.5 million , the 75-84 years Included 10.6 million and the 85 years or more included 3 million of older adults .Living arrangements: The majority (67%) of no institutionalized older persons live with family members , only 31 % live alone . The percentage of older persons living in nursing homes dramatically increase with age . At present, approximately 5% of persons with 65 years of age or older , 6% of persons from 75 to 84 years of age and 20% of persons with 85 years of age or older are living in nursing homes ⁽¹⁾ . older adults (94%) live independently in the community , whereas about (6%) live in institutions⁽²⁾. The aim of the

study is to assess life of adaption among Elderly in Nineveh Governorate.

Methods and Materials:

non-experimental approach and descriptive type are used in this study . The study is applied on three hospitals (Ibn-Sena Teaching Hospital, Al-Zahrawee Teaching Hospital and Al Salm Teaching Hospital), some primary health care centers, and public clinics in Mosul City. Purposive sample consists of (833) clients,(490) Male and (343) Femal who visited or admitted to the teaching hospitals, some primary health care centers, and public clinics in Mosul City. In older to collect the data of the study, a questionnaire was constructed depending on the previous studies and related literature review. The questionnaire consists of two Parts: Part one includes (7) items

which focus on the elderly demographic characteristics such as (age, sex, marital status, occupation , level of education, duration and type of disease).Part two includes (4) main items that contain: (independency , daily physical activities , psycho-social aspects and life of adaptation). In this study, the total questions include (73) items, in which three-scale options are used in the rating scale were: (2) for (Always), (1) for (Sometimes), and (0)for (Never) . Content validity was

determined by presenting the questionnaire to a panel of (12) experts. Internal consistency of the questionnaire is assessed by calculating Cronbach's Coefficient alpha. Analyzed data using SPSS,Version23 using both descriptive statistics, inferential statistics (Means, and SD, Number and percentage)and chi-square ⁽³⁻⁷⁴⁾.

Results:

Table (1) Demographic characteristics of the study subjects (N=833)

Variables	No.	%
(A) Sex		
Male	490	58.82
Female	343	41.18
Total	833	100%
(B) Age		
65- 74 years	657	78.87
75-84 years	137	16.45
85 years or more	39	4.68
Total	833	100%
(C) Marital status		
Single	20	2.4
Married	593	71.19
Widowed	213	25.57
Divorced	7	0.84
Total	833	100%

The table shows that the majority of study participants were males and constituted of (58.82%), and most of them aged (65-74) years. In

relation to their marital status, most of the whole sample were married and constituted (71.19%).

Table (2) client's responses on life of adaptation domains with in 3- level scale by total frequencies, percentages and Chi-Square

Spiritual	Never		Sometime		Always	
	F	%	F	%	F	%
Are you able to go to worship position	448	53.78	224	26.89	161	19.33
Does your aging made you dray	267	32.05	353	42.38	213	25.57
Does religious beliefs affect your health	547	65.67	179	21.49	107	12.84
Do you try to employ spiritual beliefs for therapy	504	60.51	257	30.85	72	8.64
Obs.X ² = 250.587 DF = 6 , P Value = 0.05 Crit. X² = 12.59 $\bar{X}$=0.63						
Hope	F	%	F	%	F	%
Do you like life more than before	634	76.11	146	17.53	53	6.36
Do you feel that your life is worthily	152	18.25	366	43.94	315	37.81
Do you enjoy life	597	71.67	217	26.05	19	2.28
Do you feel safe in your daily life	539	64.71	266	31.93	28	3.36
Do you think of death	170	20.41	145	17.41	518	62.18
Do you hope of recovery	118	14.17	447	53.66	268	32.17
Obs.X ² = 2110.923 DF = 10 , P Value = 0.05 Crit. X² = 18.31 $\bar{X}$=0.79						
Future	F	%	F	%	F	%
Do your feel that you lost your role in the future	127	15.25	294	35.29	412	49.46
Do your feel your health will improve later	166	19.93	390	46.82	277	33.25
Do your afraid of the future	276	33.13	344	41.30	213	25.57
Do your feel that your future will be better than the past	654	78.51	124	14.89	55	6.60
Obs.X ² = 983.922 DF = 6 , P Value = 0.05 Crit. X² = 12.59 $\bar{X}$=0.92						

Total $\bar{X}$ =0.78

The table shows significant difference at (P Value = 0.05) of life of adaptation domains .

Discussion:

Analysis of the results of health problem of elderly clients demographic characteristics had indicated that the majority of them were males and constituted (58.82%) of the total sample, this result

could be connected with the tendency of women to stay at home more than men .Data analysis shows that there is a significant statistical difference between elderly clients quality of life domains and their sex .The present study is in disagreement with the study of ⁽⁷⁵⁾ who found that (53.24 %) of elderly clients are females and (46.76 %) of them are males .The study finding revealed there is a

significant statistical association of health related quality of life item which concern with life of adaptation assessment. ⁽⁷⁶⁻⁸⁰⁾ mentioned that in recent years, spirituality has emerged as a significant dimension of health care. Not only is the subject slowly moving up the research agendas of the health care professions, patients say they are relying more on religious preferences to guide their medical decision-making. A survey conducted by the Medical University of South Carolina indicated that ninety-four percent of people admitted to the hospital agreed that spiritual health is as important as physical health. Enter any hospital, nursing home, out-patient clinic, senior living care community or long-term care facility and chances are your elder will be quizzed about his/her spiritual and or religious preferences. According to the Joint Council for Accreditation of Health care Organizations (JCAHO), a spiritual assessment is to be performed on every patient, identifying, “at a minimum,” the patient’s denomination, beliefs, and spiritual practices. A spiritual history can be taken orally or by way of a written questionnaire, and includes the process of gathering relevant information from the patient’s perspective regarding spiritual values, religious beliefs, spiritual needs and concerns, and whatever gives meaning to the patient’s life and illness .

Conclusion:

The study concluded that the Elderly's life of adaption were affected by their demographic characteristic (age, sex, marital status, level of education, and type of disease).

Reference:

1. Chang AK, Park J, Sok SR. Relationships among self-efficacy, depression, life satisfaction, and adaptation among older korean adults residing in for-profit professional nursing facilities. *Journal of Nursing Research*. 2013 Sep 1;21(3):162-9.
2. Clark F, Carlson M, Zemke R, Frank G, Patterson K, Ennevor BL, Rankin-Martinez A, Hobson L, Crandall J, Mandel D, Lipson L. Life domains and adaptive strategies of a group of low-income, well older adults. *The American Journal of Occupational Therapy*. 1996 Feb 1;50(2):99-108.
3. Reker GT, Woo LC. Personal meaning orientations and psychosocial adaptation in older adults. *Sage Open*. 2011 Apr 28;1(1):2158244011405217.
4. Wang CW, Chan CL. Psychosocial adaptation status and health-related quality of life among older Chinese adults with visual disorders. *Quality of Life Research*. 2009 Sep;18:841-51.
5. Ibrahim RM, Ahmed MM, Younis NM. Correlation Between HBM and Weight Control among Employee University. *Journal of Current Medical Research and Opinion*. 2024 Jun 17;7(06):2870-8.
6. Al-Ghurairi SA, Younis NM, Ahmed MM. Prevalence of weight gain among students of Mosul University, Iraq during quarantine 2020. *Rawal Medical Journal*. 2022 Jul;47(3).
7. Ahmed MM, Younis NM, Hussein AA. Violence Towards Nurses Staff at Teaching Hospitals in Mosul City. *Indian Journal of Forensic Medicine & Toxicology*. 2020 Jul 1;14(3).
8. Ahmed MM, Younis NM, Dhahir NM, Hussain KN. Acceptance of Covid-19 vaccine among nursing students of Mosul University, Iraq. *Rawal Medical Journal*. 2022 Apr;47(2):254.
9. Younis NM, Ahmed MM, Dhahir NM. Prevalence of coronavirus among healthcare workers. *International Journal of Medical Toxicology & Legal Medicine*. 2021;24(1and2):267-70.
10. Abbas AS, Younis NM. Efficacy of Pender's Health Promotion-based Model on Intervention for Enhancing University of Mosul Hypertensive Employees' Eating Behaviors: A randomized Controlled Trial. *Revis Bionatura*. 2022;7(3):35.
11. Younis NM, Mahmoud M, Ahmed A. University Students' Attitude Towards E-Learning. *Bahrain Medical Bulletin*. 2021;43(2):460-2.
12. Ahmed MM, Younis NM, Abdulsalam RR. Assessment of changes in sleep habits in

- elementary students during covid_19 lockdown. International Journal of Medical Toxicology & Legal Medicine. 2022;25(1and2):76-80.
13. Adea MK, Lefta RM, Younis NM. Impact of psychosocial aspect parameters on psoriasis patients' quality of life at outpatient clinic in Al-Dewania City, Iraq. Rawal Med J. 2022 Dec 11;47(4):892.
14. Taher AK, Younis NM. Effect of a trans theoretical model in improving behaviors of health care workers related to electronic hookah in Mosul, Iraq. Rawal Medical Journal. 2023 Mar 3;48(1):228-.
15. Ibrahim RM, Idrees NH, Younis NM. Epidemiology of leukemia among children in Nineveh Province, Iraq. Rawal Med J. 2023 Mar 3;48(1):137.
16. Ali HA, Abbas FF, Younis NM. Mothers' knowledge and attitudes towards breastfeeding in Thi-Qar City, Iraq. Rawal Med J. 2023 May 27;48(2):514.
17. Nasir MY, Rian MI, Nada HI. Prevalence of snake bite among children in Nineveh Governorate/Iraq: A retrospective study. International Journal of Medical Toxicology & Legal Medicine. 2022;25(3and4):166-9.
18. Bura'a LN, Younis NM. Nurses knowledge regarding to phototherapy at neonatal care units in Mosul City, Iraq. Rawal Med J. 2023 May 27;48(2):379.
19. Ibrahim RM, Ahmed MM, Younis NM. Nursing Students' Information Toward Distraction Techniques for Children Undergoing Procedures. Journal of Current Medical Research and Opinion. 2024 May 23;7(05):2597-605.
20. Muwfaq Younis N. Efficacy of Health Beliefs Model-Based Intervention in Changing Substance Use Beliefs among Mosul University Students: A Randomized Controlled Trial. Revis Bionatura 2022; 7 (2) 35.
21. Mohammad FH, Noori LK, Younis NM. Assessment of Nutritional habits among Mosul University Students regarding breakfast. Rawal Med J. 2023 Mar 3;48(1):96.
22. Bura'a LN, Younis NM. An Interventional Program on Nurses Knowledge and Practice towards Phototherapy in Neonatal Care Units. Int J Membrane Sci Technol. 2023 Jul 2;10(2):1428-32.
23. Younis NM. Evaluation the health lifestyle of kindergarten students at Mosul city/Iraq. International Journal of Medical Toxicology & Legal Medicine. 2023;26(1and2):148-52.
24. Younis NM. Prevalence of Electronic Hookah and Risk Factors among University Students in Mosul City/Iraq. Int J Membrane Sci Tech. 2023 Jul 2;10(2):1422-7.
25. Ahmed MM, Naji AB, Younis NM. Efficacy of an educational program based on health belief model to enhancing weight control behaviors among employees in the University of Mosul: a randomized controlled trial. Revis Bionatura. 2023;8(3):28.
26. Younis NM, Ahmed MM, Dhahir NM. Knowledge and Attitude toward older adults among Nursing Students. Signal. 2012;84:70.
27. Younis NM, Taher AK. Efficacy of Trans Theoretical Model Intervention for Improving Behaviors related to Electronic Hookah Smoking among Healthcare Workers in Mosul Hospital: A Randomized Control Trail. Int J Membrane Sci Tech. 2023 Jul 2;10(2):1433-9.
28. Younis NM. Epidemiology of Hepatitis B-virus in Nineveh province: Retrospective Study. Int J Membrane Sci Technol. 2023 Jul 2;10(2):1440-4.
29. Abbas AS, Younis NM. Assessing the effect Pender's Model in changing employees' Eating Behaviors suffer hypertension at Mosul University Iraq. Pakistan Journal of Medical & Health Sciences. 2022 Jul 29;16(06):476-.
30. Ayed AY, Younis NM, Ahmed MM. Comparison of infection severity of vaccinated and unvaccinated health

- workers with Corona Virus: A cohort study. Journal of Education and Health Promotion. 2023 Sep 1(1):336.
31. Younis N. Assessment of healthy lifestyle habits among Mosul university students. Int J Adv Nurs Stud. 2014 Jul 1;3(2):69-73.
32. Hussein AA, Younis NM, Ahmed MM. Health Promoting Lifestyle profile Among Nursing Students in Mosul University. International Journal of Psychosocial Rehabilitation. 2020;24(09).
33. Younis NM, Naji AB. Assessing the effect of an educational intervention based on health belief model on preventive behaviors of addiction. Pakistan J Med Health Sci. 2021;15(3):813-7.
34. Younis NM, Naji AB. Evaluation of preventive behaviors of addiction among students: Application of health belief model. Indian J Forensic Med Toxicol. 2021 May 17;15(4):1273-8.
35. Bura'a LN, Younis NM. Educational Program of Nurses Practices Towards to Phototherapy at Neonatal Care Units. Pakistan Journal of Medical & Health Sciences. 2023 Jun 9;17(04):530-.
36. Younis NM, Naji AB. The effect of health education based on the health belief model about changing the belief related to substance use among university students in Mosul city-Iraq. Annals of the Romanian Society for Cell Biology. 2021 May 4:14687-98.
37. Younis NM, Hussein AA, Ahmed MM, Younis NM. Quality of life and occupational hazards among cement factory workers in Mosul city. QoL and Occupational Hazards among Cement Factory Workers. 2021;24(2):1-8.
38. Younis NM. Assessment for Mortality Rate Children Under Five Years in Mosul City. Journal of Kufa for Nursing Science Vol. 2014;4(1).
39. Jasem WM, Younis NM. Assessment of Nurses' Performance Regarding Nursing Documentation in Pediatric Wards at Mosul Hospitals. Journal of Current Medical Research and Opinion. 2024 Apr 12;7(04).
40. Ahmed AS, Younis NM. Assessment of Nurses Knowledge Regarding Blood Exchange Transfusion at Mosul Neonatal Care Units. Journal of Current Medical Research and Opinion. 2024 Apr 12;7(04):2285-8.
41. Younis NM, Naji A. Efficacy of Health Belief Model-Based Training in Changing the Beliefs about Substance use. Kufa Journal for Nursing Sciences. 2021 Jun 25;11(1):221-9.
42. Ahmed MM, Younis NM, Hussein AA. Association between Internet Addiction and Sleep disturbance Among Nursing Students. International Journal of Psychosocial Rehabilitation. 2020;24(09).
43. Younis NM, Salih YH. Nursing Students' Knowledge about Caring for the Elderly. Journal of Current Medical Research and Opinion. 2024 Apr 15;7(04):2320-7.
44. Abed SM, Suleiman AA, Ahmed SS, Younis NM, Ahmed MM. Road Traffic Accident Characteristics And Injury Outcomes Among Victims In Mosul City. Journal of Pharmaceutical Negative Results. 2023 Sep 15:4102-8.
45. Saad WI, Kumait AS, Younis NM. Workplace challenges and violence against nurses: subject review. Pakistan Journal of Medical & Health Sciences. 2023 Mar 2;17(01):509-.
46. Taher AK, Younis NM. Evaluation Of Processes Of Change Related To Trans Theoretical Model Of Enhancing Behaviors Of Healthcare Workers User Electronic Hookah. Journal of Pharmaceutical Negative Results. 2023 Mar 16:3190-3.
47. Alkaisy MS, Ahmed SS, Alsyan MS, Suleiman AA, Younis NM, Ahmed MM. Post-Traumatic Stress Disorder Following Wars and Repression at Mosul City-Iraq. Indian Journal of Forensic Medicine & Toxicology. 2021 May 17;15(3):1240-5.
48. Younis NM, Ali MT, Hasan MK, Khalaf MS, Abdullah MN, Ahmed YL, Abdulkadir MN. Knowledge and attitude of collegians

- at university in Mosul towards the prevention and control of COVID-19. Turkish Journal of Physiotherapy and Rehabilitation. 2021;7975-8.
49. Younis NM, Ahmed MM. Knowledge and Compliance with Standard Precautions among Nursing Students in Mosul University. Assiut Scientific Nursing Journal. 2014 Jun 1;2(3):152-9.
 50. Younis NM, Ahmed MM, Hussein AA. Epidemiology Of Deaths From Injuries In Nineveh Governorate (2008_2012). kufa Journal for Nursing sciences. 2014;4(2).
 51. Younis NM, Ahmed MM. knowledge and Attitude of Nursing Students' towards Palliative Care. Journal of Current Medical Research and Opinion. 2024 Apr 20;7(04):2345-53.
 52. Younis NM, Ahmed MM. Road Traffic accidents in Nineveh Province (2017_2021): A retrospective study. Journal of Current Medical Research and Opinion. 2024 Apr 20;7(04):2354-62.
 53. Ibrahim RM, Younis NM, Ahmed MM. Knowledge and Attitude of University Students Regarding Rhinoplasty. Journal of Current Medical Research and Opinion. 2024 May 1;7(05):2411-9.
 54. Hussein AA, Younis NM, Ahmed MM. Assessment of Diabetic Self-Management among Patients with Diabetic Type II. Journal of Current Medical Research and Opinion. 2024 May 1;7(05):2402-10.
 55. Ahmed MM, Ibrahim RM, Younis NM. Nursing Students' Attitudes about Organ Donation in University of Mosul/Iraq. Journal of Current Medical Research and Opinion. 2024 May 1;7(05):2430-7.
 56. Ahmed MM, Ibrahim RM, Younis NM. Assessment of Sleep Habits among Nursing Students in Mosul City/Iraq. Journal of Current Medical Research and Opinion. 2024 May 1;7(05):2420-9.
 57. Ahmed MM, Ali Hussein A, Youns NM. Knowledge, attitude, and practice (KAP) of voluntary blood donation among nurses in Mosul Teaching Hospital. Mosul Journal of Nursing (Print ISSN: 2311-8784 Online ISSN: 2663-0311). 2017 Jul 1;5(1):24-32.
 58. Ahmed MM, Ibrahim RM, Younis NM. Assessment of Nursing Students' Attitudes Toward Obese Individuals. Journal of Current Medical Research and Opinion. 2024 May 4;7(05):2468-76.
 59. Younis NM, Ibrahim RM, Ahmed MM. Apply Health Beliefs Model Towards of Substance Abuse. Journal of Current Medical Research and Opinion. 2024 May 4;7(05):2460-7.
 60. Ibrahim RM, Ahmed MM, Younis NM. Prevalence of COVID-19 among Students in Mosul University. Journal of Current Medical Research and Opinion. 2024 May 4;7(05):2477-88.
 61. Younis NM, Ahmed MM, Dhahir NM. Knowledge and Attitude toward older adults among Nursing Students. 2021. PJM HS.;15(3).
 62. Ahmed MM, Ibrahim RM, Younis NM, Ahmed SS. Nurses Knowledge and Practice about adverse Effects Following Immunization at Primary Health Care Centers in Mosul City. Journal of Current Medical Research and Opinion. 2024 May 15;7(05):2536-42.
 63. Hussein AA, Ahmed MM, Younis NM, Ibrahim RM. Apply Pender's Health Promotion Towards Hypertension of Employees in Mosul City/Iraq. Journal of Current Medical Research and Opinion. 2024 May 15;7(05):2529-35.
 64. Ibrahim RM, Ahmed MM, Younis NM. Benefits and Challenges of Healthy Dieting among Nursing Students. Journal of Current Medical Research and Opinion. 2024 May 15;7(05):2521-8.
 65. Allawi RH, Ahmed MM. Assessment of Nurse's Knowledge Towards Diabetic Ketoacidosis among children in Mosul City/Iraq. Rawal Medical Journal. 2023 Apr;48(2).
 66. Allawi RH, Ahmed MM. Assessment of Nurses' Practices Towards Children with Diabetic ketoacidosis. Pakistan Journal of

- Medical & Health Sciences. 2023 Jun 2;17(04):444-.
67. Kaleel MI, Mahmoud MA. Assessment of Mothers' Knowledge about Breastfeeding Premature Infants in Mosul city. *Journal of Current Medical Research and Opinion*. 2024 Apr 19;7(04):2328-33.
68. Mahmoud MM, Ahmed MM. Assessment of Self-Management Behavioral Skill among Patients with Diabetic type II in Mosul City. *Journal of Current Medical Research and Opinion*. 2024 Apr 19;7(04):2334-9.
69. Ibrahim RM, Al Hafidh NM. Acute Diarrhea in Exclusively Breast Fed Infants in relation to Zinc Level. *Pak J Med Health Sci*. 2021;15:1431-5.
70. Younis NM, Ahmed MM, Abdulsalam RR. Assessing quality of life in palliative care. *International Journal of Medical Toxicology & Legal Medicine*. 2021;24(3and4):115-8.
71. Muwfaq YN, Ahmed MM, Abdulsalam RR. Assessing Quality of Life in Palliative Care. *Bahrain Medical Bulletin* 2021;43(3):594-6.
72. Ahmed MM, Younis NM, Hussein AA. Prevalence of tobacco use among health care workers at primary health care centers in Mosul City. *Pakistan Journal of Medical and Health Sciences*. 2021;15(1):421-4.
73. Younis NM, Ahmed MM, Hussein AA. Nurses' knowledge, attitude and practice towards preparedness of disaster management in emergency of mosul teaching hospitals. *Medico-Legal Update*. 2020 Jul 1;20(3):775-9.
74. Naji AB, Ahmed MM, Younis NM. Adherence the preventive measure against for covid-19among teachers at university of mosul. *International Journal of Medical Toxicology & Legal Medicine*. 2021;24(3and4):273-7.
75. Ibrahim RM, Ahmed MM, Younis NM. Correlations Between Health Beliefs Model and substance use among University students. *Journal of Current Medical Research and Opinion*. 2024 Jun 12;7(06):2810-8.
76. Ahmed MM, Ibrahim RM, Younis NM. Enhancing Weight Control Behaviors among University Employees: Health Beliefs Model. *Journal of Current Medical Research and Opinion*. 2024 Jun 12;7(06):2801-9.
77. Younis NM, Ahmed MM, Ayed AY. HIV knowledge and preventive Standards Precautions Among Healthcare Workers in Blood Transfu-sion Centers.
78. Younis NM, Ibrahim RM, Ahmed MM. Health Problems Related to Quality of Life among Aging in Iraq. *Journal of Current Medical Research and Opinion*. 2024 Jun 24;7(06):3015-24.
79. Younis NM, Ibrahim RM, Ahmed MM. Independency Domains Among Old Age in Mosul City/IRAQ. *Journal of Current Medical Research and Opinion*. 2024 Jun 24;7(06):3025-33.
80. Ayed AY, Younis NM, Ahmed MM. Teachers' knowledge about communicable disease control at primary schools in Mosul City: A cross-sectional study. *International Journal of Academic Medicine*. 2024 Apr 1;10(2):75-9.