

## Global Congress on Integrated Healthcare

A joint Conference in Collaboration with United Research Forum, UK and Mutah University, Jordan

Under The Patronage of his Excellency Dr Yousef Goussous

May 15 - 16, 2022 | Hotel Crowne Plaza Dead Sea, Jordan



### Why Parents Not Seeking Health Care Services for Their Children with Otitis Media in Jordan

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#### Abstract

**Background:** Otitis media (OM) is one of the most common infectious diseases in children and it is associated with considerable medical resources. Healthcare-seeking (HCS) resulted in health promotion, disease risk reduction and enhance the health status. The delay in seeking diagnosis and proper treatment of OM may end in several complications that can be life-threatening.

**Objective:** to identify the determinants that related parent's health care seeking regarding OM in Jordan.

**Method:** A cross-sectional study was conducted. Collecting 403 parents from four governmental hospitals, located at three different regions (North, Centre, and South) of Jordan. Each participant was face-to-face interviewed, using a questionnaire contains four sections; parent's socio-demographic characteristics, Knowledge and attitude toward OM infection, parent's evaluation of health care services and socio-demographic and medical information of child with OM. The collected data were entered into Microsoft Excel and then imported into the statistical package of Rstudio version 3(2019); which is an integrated development environment for R. The RStudio is a programming language for statistical computing and graphics.

**Results:** less than half (40.19%) of 403 parents were healthcare seeker(HCS) for their children with OM. HCS parents, was significantly higher with low mean, number of children ( $2.34 \pm 1.31$ ,  $p=0.046$ ) household crowding index ( $1.10 \pm 0.43$ ,  $p=0.026$ ), duration period of marriage ( $6.70 \pm 4.21$ ,  $p=0.006$ ), and higher mean of household income ( $480 \pm 259$ ,  $p=0.005$ ). Additionally, high rate (43.8%) of exclusively breastfed during the first 6 month of child's life  $p=0.003$ . Other parents and child sociodemographic factors were not significant. HCS parent having insignificant higher mean score of total perception ( $13.72 \pm 3.72$ ) and total knowledge ( $9.17 \pm 3.48$ ) compared to the counter group. The total mean HCSs evaluation from parents' point of view, regarding childhood OM seekers parents ( $2.75 \pm 0.70$ ) was significantly higher than non-seekers parents  $2.38 \pm 1.04$ .  $t=3.98$ ,  $p=0.002$ . Moreover, by calculating the adjusted Odds Ratio (AOR), the parents who evaluation acceptable HCSs was 1.5 times significantly more (OR = 1.51, 95% CI 1.17 - 1.98) to seek HCSs than their counter group. Interestingly base on multivariate regression analysis, level of healthcare evaluation was found independently and un-confounding risk factor for the parents seeking healthcare services. (AOR= 1.5, 95% CI 1.17 - 1.98).

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**Conclusion & Recommendation:** Good healthcare services is an independently and un-confounding factor for the parents seeking healthcare services. In other words, it is not necessary for parents to have enough knowledge and correct attitude about the disease to seek treatment. Therefore, improving the healthcare services will increase the parent's HCS.

**Keywords:** Childhood otitis media, parents seeking healthcare, knowledge ,attitude, health care evaluation in Jordan.

### Biography

Ahmed Saleh Ahmad Al-Quran is postgraduate in public health (Master degree) medical student in Mut'ah University in Jordan. He is resident doctor of family medicine; and working in The Jordanian Ministry of Health, he had started pursuing research during the Master degree and he is a co-author in many papers. He has learned several research skills through his journey in research such as: academic writing and statistical analysis. He is also a member in Jordan Medical Association.